

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 916

WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410

ORDER ID : Q3176
ATTENTION : Smita Sumbaly



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3176

Project ID : RFP 916

Client : Weston Solutions, Inc.

Lab Sample Number

Q3176-01
Q3176-02
Q3176-03

Client Sample Number

EME-TS12-01
EME-TS13-01
EME-TS14-02

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 916

Project # N/A

Order ID # Q3176

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 09/23/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for EME-TS14-01MS [Decachlorobiphenyl(1)13%, Decachlorobiphenyl(2)15%] but Original sample and MSD passing for surrogate therefore no corrective action taken.

The Retention Times were met for all analysis.

The MS {Q3178-02MS} with File ID: PL097444.D recoveries met the requirements for all compounds except for [4,4-DDE(1)52% - 4,4-DDE(2)49%], [4,4-DDT(1)44% - 4,4-DDT(2)31%], [Aldrin(1)48% - Aldrin(2)51%], [alpha-BHC(1)55% - alpha-BHC(2)57%], [Endosulfan I(1)54% - Endosulfan I(2)45%], [Endosulfan sulfate(1)45% - Endosulfansulfate(2)33%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [Endrin ketone(1)52% - Endrin ketone(2)36%], [Endrin(1)50%- Endrin(2)45%], [gamma-BHC(Lindane)(1)41% - gamma-BHC (Lindane)(2)43%], [Heptachlor(1)39% - Heptachlor(2)40%], [Methoxychlor(1)41% - Methoxychlor(2)30%] due to matrix interference.

The MSD {Q3178-03MSD} with File ID: PL097445.D recoveries met the requirements for all compounds except for [4,4-DDT(1)50% - 4,4-DDT(2)40%], [Endosulfan

sulfate(1)54% - Endosulfan sulfate(2)45%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [gamma-BHC (Lindane)(1)18% - gamma-BHC (Lindane)(2)17%], [Heptachlor(1)28% - Heptachlor(2)27%], [Methoxychlor(1)46% - Methoxychlor(2)41%] due to matrix interference.

The RPD for {Q3178-03MSD} with File ID: PL097445.D met criteria except for 4,4-DDD[31%], 4,4-DDE[27%], Aldrin[27%], alpha-BHC[24%], alpha-Chlordane[23%], beta-BHC[21%], delta-BHC[29%], Dieldrin[26%], Endosulfan II[21%], Endrin ketone[21%], Endrin[23%], gamma-BHC (Lindane)[78%], Heptachlor epoxide[23%] and Heptachlor[33%] due to difference in results of MS and MSD. The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PL097449.D met the requirements except for Endrin is failing in 2nd column but passing in first column therefore no corrective action taken.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).

Ws = Weight of sample extracted (g).

D = % dry weight or $\frac{100 - \% \text{Moisture}}{100}$

$$GPC = \frac{V_{in}}{V_{out}} = \text{GPC factor (If no GPC is performed, GPC=1)}$$

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor

G. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.



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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3176

MATRIX: Solid

METHOD: 8081B/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements.			
The Continuous Calibration File ID PL097449.D met the requirements except for Endrin is failing in 2nd column but passing in first column therefore no corrective action taken.			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
The Surrogate recoveries were met for all analysis except for EME-TS14-01MS [Decachlorobiphenyl(1)13%, Decachlorobiphenyl(2)15%] but Original sample and MSD passing for surrogate therefore no corrective action taken.			

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q3178-02MS} with File ID: PL097444.D recoveries met the requirements for all compounds except for [4,4-DDE(1)52% - 4,4-DDE(2)49%], [4,4-DDT(1)44% - 4,4-DDT(2)31%], [Aldrin(1)48% - Aldrin(2)51%], [alpha-BHC(1)55% - alpha-BHC(2)57%], [Endosulfan I(1)54% - Endosulfan I(2)45%], [Endosulfan sulfate(1)45% - Endosulfansulfate(2)33%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [Endrin ketone(1)52% - Endrin ketone(2)36%], [Endrin(1)50% - Endrin(2)45%], [gamma-BHC(Lindane)(1)41% - gamma-BHC (Lindane)(2)43%], [Heptachlor(1)39% - Heptachlor(2)40%], [Methoxychlor(1)41% - Methoxychlor(2)30%] due to matrix interference. The MSD {Q3178-03MSD} with File ID: PL097445.D recoveries met the requirements for all compounds except for [4,4-DDT(1)50% - 4,4-DDT(2)40%], [Endosulfan sulfate(1)54% - Endosulfan sulfate(2)45%], [Endrin aldehyde(1)27% - Endrin aldehyde(2)20%], [gamma-BHC (Lindane)(1)18% - gamma-BHC (Lindane)(2)17%], [Heptachlor(1)28% - Heptachlor(2)27%], [Methoxychlor(1)46% - Methoxychlor(2)41%] due to matrix interference. The Blank Spike met requirements for all compounds. The RPD for {Q3178-03MSD} with File ID: PL097445.D met criteria except for 4,4-DDD[31%], 4,4-DDE[27%], Aldrin[27%], alpha-BHC[24%], alpha-Chlordane[23%], beta-BHC[21%], delta-BHC[29%], Dieldrin[26%], Endosulfan II[21%], Endrin ketone[21%], Endrin[23%], gamma-BHC (Lindane)[78%], Heptachlor epoxide[23%] and Heptachlor[33%] due to difference in results of MS and MSD.			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The soil samples results are based on a dry weight basis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3176

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 10/02/2025

LAB CHRONICLE

OrderID:	Q3176	OrderDate:	9/24/2025 10:16:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 916
Contact:	Smita Sumbaly	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3176-01	EME-TS12-01	SOIL			09/23/25			09/23/25
			PCB	8082A		09/25/25	09/25/25	
			Pesticide-TCL	8081B		09/25/25	09/30/25	
			EPH	NJEPH		09/25/25	09/25/25	
Q3176-02	EME-TS13-01	SOIL			09/23/25			09/23/25
			PCB	8082A		09/25/25	09/26/25	
			Pesticide-TCL	8081B		09/25/25	09/30/25	
			EPH	NJEPH		09/25/25	09/25/25	
Q3176-03	EME-TS14-02	SOIL			09/23/25			09/23/25
			PCB	8082A		09/25/25	09/26/25	
			Pesticide-TCL	8081B		09/25/25	09/30/25	
			EPH	NJEPH		09/25/25	09/25/25	
			EPH	NJEPH		09/25/25	09/26/25	

Hit Summary Sheet
SW-846

SDG No.: Q3176

Order ID: Q3176

Client: Weston Solutions, Inc.

Project ID: RFP 916

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EME-TS12-01								
Q3176-01	EME-TS12-01	SOIL	4,4-DDE	0.58	J	0.21	2.60	ug/kg
Q3176-01	EME-TS12-01	SOIL	4,4-DDD	1.80	JP	0.23	2.60	ug/kg
Q3176-01	EME-TS12-01	SOIL	4,4-DDT	0.44	J	0.21	2.60	ug/kg
Q3176-01	EME-TS12-01	SOIL	alpha-Chlordane	1.10	JP	0.18	2.60	ug/kg
Q3176-01	EME-TS12-01	SOIL	gamma-Chlordane	0.60	JP	0.23	2.60	ug/kg
Total Concentration:				4.520				
Client ID : EME-TS13-01								
Q3176-02	EME-TS13-01	SOIL	4,4-DDE	0.43	J	0.20	2.50	ug/kg
Q3176-02	EME-TS13-01	SOIL	4,4-DDD	1.10	J	0.22	2.50	ug/kg
Q3176-02	EME-TS13-01	SOIL	4,4-DDT	0.36	J	0.20	2.50	ug/kg
Q3176-02	EME-TS13-01	SOIL	alpha-Chlordane	1.20	JP	0.18	2.50	ug/kg
Q3176-02	EME-TS13-01	SOIL	gamma-Chlordane	0.82	J	0.22	2.50	ug/kg
Total Concentration:				3.910				
Client ID : EME-TS14-02								
Q3176-03	EME-TS14-02	SOIL	4,4-DDE	0.35	J	0.20	2.40	ug/kg
Q3176-03	EME-TS14-02	SOIL	alpha-Chlordane	0.73	JP	0.17	2.40	ug/kg
Q3176-03	EME-TS14-02	SOIL	gamma-Chlordane	0.31	J	0.21	2.40	ug/kg
Total Concentration:				1.390				



QC SUMMARY

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Surrogate Summary

SDG No.: Q3176

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090327.D	PIBLK-PD090327.D	Decachlorobiphen	1	20	17.6	88		57	171
		Tetrachloro-m-xyl	1	20	16.5	83		61	148
		Decachlorobiphen	2	20	17.2	86		57	171
		Tetrachloro-m-xyl	2	20	16.9	85		61	148
I.BLK-PD090385.D	PIBLK-PD090385.D	Decachlorobiphen	1	20	20.3	101		57	171
		Tetrachloro-m-xyl	1	20	18.1	91		61	148
		Decachlorobiphen	2	20	21.4	107		57	171
		Tetrachloro-m-xyl	2	20	19.4	97		61	148
PB169826BL	PB169826BL	Decachlorobiphen	1	20	19.2	96		20	144
		Tetrachloro-m-xyl	1	20	16.4	82		19	148
		Decachlorobiphen	2	20	19.9	100		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
PB169826BS	PB169826BS	Decachlorobiphen	1	20	25.0	125		20	144
		Tetrachloro-m-xyl	1	20	23.3	116		19	148
		Decachlorobiphen	2	20	25.4	127		20	144
		Tetrachloro-m-xyl	2	20	24.6	123		19	148
I.BLK-PD090395.D	PIBLK-PD090395.D	Decachlorobiphen	1	20	20.1	100		57	171
		Tetrachloro-m-xyl	1	20	18.1	90		61	148
		Decachlorobiphen	2	20	19.9	99		57	171
		Tetrachloro-m-xyl	2	20	19.1	95		61	148
I.BLK-PL097268.D	PIBLK-PL097268.D	Decachlorobiphen	1	20	17.3	87		57	171
		Tetrachloro-m-xyl	1	20	15.6	78		61	148
		Decachlorobiphen	2	20	17.1	86		57	171
		Tetrachloro-m-xyl	2	20	16.0	80		61	148
I.BLK-PL097434.D	PIBLK-PL097434.D	Decachlorobiphen	1	20	23.8	119		57	171
		Tetrachloro-m-xyl	1	20	21.4	107		61	148
		Decachlorobiphen	2	20	21.1	106		57	171
		Tetrachloro-m-xyl	2	20	20.3	101		61	148
Q3176-01	EME-TS12-01	Decachlorobiphen	1	20	9.63	48		20	144
		Tetrachloro-m-xyl	1	20	13.8	69		19	148
		Decachlorobiphen	2	20	8.41	42		20	144
		Tetrachloro-m-xyl	2	20	13.0	65		19	148
Q3176-02	EME-TS13-01	Decachlorobiphen	1	20	5.99	30		20	144
		Tetrachloro-m-xyl	1	20	11.2	56		19	148
		Decachlorobiphen	2	20	4.56	23		20	144
		Tetrachloro-m-xyl	2	20	9.69	48		19	148
Q3176-03	EME-TS14-02	Decachlorobiphen	1	20	5.17	26		20	144
		Tetrachloro-m-xyl	1	20	7.71	39		19	148
		Decachlorobiphen	2	20	4.53	23		20	144
		Tetrachloro-m-xyl	2	20	7.88	39		19	148
Q3178-02MS	EME-TS14-01MS	Decachlorobiphen	1	20	2.61	13	*	20	144

Surrogate Summary

SDG No.: Q3176

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3178-02MS	EME-TS14-01MS	Tetrachloro-m-xyl	1	20	9.98	50		19	148
		Decachlorobiphen	2	20	3.04	15	*	20	144
		Tetrachloro-m-xyl	2	20	8.82	44		19	148
Q3178-03MSD	EME-TS14-01MSD	Decachlorobiphen	1	20	5.43	27		20	144
		Tetrachloro-m-xyl	1	20	10.1	51		19	148
		Decachlorobiphen	2	20	4.37	22		20	144
		Tetrachloro-m-xyl	2	20	10.0	50		19	148
I.BLK-PL097448.D	PIBLK-PL097448.D	Decachlorobiphen	1	20	22.3	112		57	171
		Tetrachloro-m-xyl	1	20	20.7	104		61	148
		Decachlorobiphen	2	20	19.5	98		57	171
		Tetrachloro-m-xyl	2	20	20.3	101		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3176 Analytical Method: 8081B
Client: Weston Solutions, Inc. DataFile : PL097444.D

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3178-02MS (Column 1)	Client Sample ID:	EME-TS14-01MS										
	alpha-BHC	23.32	0	12.8	ug/kg	55	*			60		144	
	beta-BHC	23.32	0	12.6	ug/kg	54				54		143	
	delta-BHC	23.32	0	10.6	ug/kg	45				29		151	
	gamma-BHC (Lindane)	23.32	0	9.60	ug/kg	41	*			61		140	
	Heptachlor	23.32	0	9.00	ug/kg	39	*			63		135	
	Aldrin	23.32	0	11.3	ug/kg	48	*			49		139	
	Heptachlor epoxide	23.32	0	11.6	ug/kg	50				41		156	
	Endosulfan I	23.32	0	12.6	ug/kg	54	*			56		142	
	Dieldrin	23.32	0.22	11.4	ug/kg	47				47		161	
	4,4'-DDE	23.32	0.66	12.7	ug/kg	52	*			55		136	
	Endrin	23.32	0	11.6	ug/kg	50	*			57		139	
	Endosulfan II	23.32	0	10.7	ug/kg	46				40		163	
	4,4'-DDD	23.32	0	12.0	ug/kg	51				47		163	
	Endosulfan sulfate	23.32	0	10.5	ug/kg	45	*			62		139	
	4,4'-DDT	23.32	0	10.2	ug/kg	44	*			51		146	
	Methoxychlor	23.32	0	9.60	ug/kg	41	*			54		136	
	Endrin ketone	23.32	0	12.1	ug/kg	52	*			60		129	
	Endrin aldehyde	23.32	0	6.20	ug/kg	27	*			59		132	
	alpha-Chlordane	23.32	0.77	12.2	ug/kg	49				39		166	
	gamma-Chlordane	23.32	0.50	13.0	ug/kg	54				44		175	
Lab Sample ID:	Q3178-02MS (Column 2)	Client Sample ID:	EME-TS14-01MS										
	alpha-BHC	23.32	0	13.2	ug/kg	57	*			60		144	
	beta-BHC	23.32	0	12.3	ug/kg	53				54		143	
	delta-BHC	23.32	0	9.90	ug/kg	42				29		151	
	gamma-BHC (Lindane)	23.32	0	10.0	ug/kg	43	*			61		140	
	Heptachlor	23.32	0	9.30	ug/kg	40	*			63		135	
	Aldrin	23.32	0	12.0	ug/kg	51	*			49		139	
	Heptachlor epoxide	23.32	0	11.7	ug/kg	50				41		156	
	Endosulfan I	23.32	0	10.4	ug/kg	45	*			56		142	
	Dieldrin	23.32	0.46	10.8	ug/kg	46				47		161	
	4,4'-DDE	23.32	0.57	11.4	ug/kg	49	*			55		136	
	Endrin	23.32	0	10.4	ug/kg	45	*			57		139	
	Endosulfan II	23.32	0	9.50	ug/kg	41				40		163	
	4,4'-DDD	23.32	0	9.60	ug/kg	41				47		163	
	Endosulfan sulfate	23.32	0	7.60	ug/kg	33	*			62		139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL097444.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Limits High	RPD
		Result	Result				RPD	Qual		
4,4'-DDT	23.32	0	7.20	ug/kg	31	*			51	146
Methoxychlor	23.32	0	7.10	ug/kg	30	*			54	136
Endrin ketone	23.32	0	8.50	ug/kg	36	*			60	129
Endrin aldehyde	23.32	0	4.60	ug/kg	20	*			59	132
alpha-Chlordane	23.32	0.42	11.2	ug/kg	48				39	166
gamma-Chlordane	23.32	0.27	11.4	ug/kg	49				44	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q3176	Analytical Method:	8081B
Client:	Weston Solutions, Inc.	DataFile :	PL097445.D

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3178-03MSD (Column 1)	Client Sample ID:		EME-TS14-01MSD									
	alpha-BHC	23.3	0	16.2	ug/kg	70		24	*	60	144	20	
	beta-BHC	23.3	0	15.7	ug/kg	67		21	*	54	143	20	
	delta-BHC	23.3	0	13.9	ug/kg	60		29	*	29	151	20	
	gamma-BHC (Lindane)	23.3	0	4.10	ug/kg	18	*	78	*	61	140	20	
	Heptachlor	23.3	0	6.50	ug/kg	28	*	33	*	63	135	20	
	Aldrin	23.3	0	14.6	ug/kg	63		27	*	49	139	20	
	Heptachlor epoxide	23.3	0	14.7	ug/kg	63		23	*	41	156	20	
	Endosulfan I	23.3	0	14.6	ug/kg	63		15		56	142	20	
	Dieldrin	23.3	0.22	14.5	ug/kg	61		26	*	47	161	20	
	4,4'-DDE	23.3	0.66	16.4	ug/kg	68		27	*	55	136	20	
	Endrin	23.3	0	14.7	ug/kg	63		23	*	57	139	20	
	Endosulfan II	23.3	0	13.2	ug/kg	57		21	*	40	163	20	
	4,4'-DDD	23.3	0	16.2	ug/kg	70		31	*	47	163	20	
	Endosulfan sulfate	23.3	0	12.6	ug/kg	54	*	18		62	139	20	
	4,4'-DDT	23.3	0	11.7	ug/kg	50	*	13		51	146	20	
	Methoxychlor	23.3	0	10.8	ug/kg	46	*	11		54	136	20	
	Endrin ketone	23.3	0	15.0	ug/kg	64		21	*	60	129	20	
	Endrin aldehyde	23.3	0	6.30	ug/kg	27	*	0		59	132	20	
	alpha-Chlordane	23.3	0.77	15.3	ug/kg	62		23	*	39	166	20	
	gamma-Chlordane	23.3	0.50	15.8	ug/kg	66		20		44	175	20	
Lab Sample ID:	Q3178-03MSD (Column 2)	Client Sample ID:		EME-TS14-01MSD									
	alpha-BHC	23.3	0	16.2	ug/kg	70		20	*	60	144	20	
	beta-BHC	23.3	0	15.3	ug/kg	66		22	*	54	143	20	
	delta-BHC	23.3	0	13.6	ug/kg	58		32	*	29	151	20	
	gamma-BHC (Lindane)	23.3	0	4.00	ug/kg	17	*	87	*	61	140	20	
	Heptachlor	23.3	0	6.40	ug/kg	27	*	39	*	63	135	20	
	Aldrin	23.3	0	15.5	ug/kg	67		27	*	49	139	20	
	Heptachlor epoxide	23.3	0	15.1	ug/kg	65		26	*	41	156	20	
	Endosulfan I	23.3	0	13.1	ug/kg	56		22		56	142	20	
	Dieldrin	23.3	0.46	14.7	ug/kg	63		31	*	47	161	20	
	4,4'-DDE	23.3	0.57	14.3	ug/kg	61		22	*	55	136	20	
	Endrin	23.3	0	16.3	ug/kg	70		43	*	57	139	20	
	Endosulfan II	23.3	0	12.4	ug/kg	53		26	*	40	163	20	
	4,4'-DDD	23.3	0	12.8	ug/kg	55		29	*	47	163	20	
	Endosulfan sulfate	23.3	0	10.6	ug/kg	45	*	31		62	139	20	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL097445.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	23.3	0	9.40	ug/kg	40	*	25		51	146	20
Methoxychlor	23.3	0	9.50	ug/kg	41	*	31		54	136	20
Endrin ketone	23.3	0	10.0	ug/kg	43		18	*	60	129	20
Endrin aldehyde	23.3	0	4.70	ug/kg	20	*	0		59	132	20
alpha-Chlordane	23.3	0.42	14.6	ug/kg	63		27	*	39	166	20
gamma-Chlordane	23.3	0.27	14.9	ug/kg	64		27		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>PD090394.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169826BS (Column 1)	alpha-BHC	16.66	15.1	ug/kg	91				84	123	
	beta-BHC	16.66	14.6	ug/kg	88				82	123	
	delta-BHC	16.66	14.9	ug/kg	89				83	126	
	gamma-BHC (Lindane)	16.66	14.9	ug/kg	89				83	125	
	Heptachlor	16.66	15.0	ug/kg	90				83	122	
	Aldrin	16.66	15.0	ug/kg	90				82	124	
	Heptachlor epoxide	16.66	14.9	ug/kg	89				83	120	
	Endosulfan I	16.66	15.0	ug/kg	90				81	124	
	Dieldrin	16.66	15.0	ug/kg	90				85	121	
	4,4'-DDE	16.66	15.0	ug/kg	90				81	123	
	Endrin	16.66	15.3	ug/kg	92				76	130	
	Endosulfan II	16.66	15.2	ug/kg	91				80	125	
	4,4'-DDD	16.66	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.66	14.7	ug/kg	88				81	122	
	4,4'-DDT	16.66	15.9	ug/kg	95				70	129	
	Methoxychlor	16.66	16.6	ug/kg	100				60	119	
	Endrin ketone	16.66	14.9	ug/kg	89				77	132	
	Endrin aldehyde	16.66	15.9	ug/kg	95				79	124	
	alpha-Chlordane	16.66	14.9	ug/kg	89				84	120	
	gamma-Chlordane	16.66	15.1	ug/kg	91				83	122	
PB169826BS (Column 2)	alpha-BHC	16.66	15.2	ug/kg	91				84	123	
	beta-BHC	16.66	15.0	ug/kg	90				82	123	
	delta-BHC	16.66	14.9	ug/kg	89				83	126	
	gamma-BHC (Lindane)	16.66	15.2	ug/kg	91				83	125	
	Heptachlor	16.66	15.0	ug/kg	90				83	122	
	Aldrin	16.66	15.2	ug/kg	91				82	124	
	Heptachlor epoxide	16.66	14.9	ug/kg	89				83	120	
	Endosulfan I	16.66	15.2	ug/kg	91				81	124	
	Dieldrin	16.66	15.2	ug/kg	91				85	121	
	4,4'-DDE	16.66	15.2	ug/kg	91				81	123	
	Endrin	16.66	15.2	ug/kg	91				76	130	
	Endosulfan II	16.66	15.2	ug/kg	91				80	125	
	4,4'-DDD	16.66	15.3	ug/kg	92				80	131	
	Endosulfan sulfate	16.66	14.9	ug/kg	89				81	122	
	4,4'-DDT	16.66	16.0	ug/kg	96				70	129	
	Methoxychlor	16.66	17.0	ug/kg	102				60	119	
	Endrin ketone	16.66	15.0	ug/kg	90				77	132	
	Endrin aldehyde	16.66	16.2	ug/kg	97				79	124	
	alpha-Chlordane	16.66	15.2	ug/kg	91				84	120	
	gamma-Chlordane	16.66	15.2	ug/kg	91				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169826BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: PB169826BL

Lab File ID: PD090388.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/25/2025

Date Analyzed (1): 09/25/2025

Date Analyzed (2): 09/25/2025

Time Analyzed (1): 13:31

Time Analyzed (2): 13:31

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169826BS	PB169826BS	PD090394.D	09/25/2025	09/25/2025
EME-TS12-01	Q3176-01	PL097438.D	09/30/2025	09/30/2025
EME-TS13-01	Q3176-02	PL097439.D	09/30/2025	09/30/2025
EME-TS14-02	Q3176-03	PL097440.D	09/30/2025	09/30/2025
EME-TS14-01MS	Q3178-02MS	PL097444.D	09/30/2025	09/30/2025
EME-TS14-01MSD	Q3178-03MSD	PL097445.D	09/30/2025	09/30/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS12-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097438.D	1	09/25/25 08:51	09/30/25 12:41	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	2.60	ug/kg
319-85-7	beta-BHC	0.27	U	0.27	2.60	ug/kg
319-86-8	delta-BHC	0.59	U	0.59	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	2.60	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	2.60	ug/kg
309-00-2	Aldrin	0.18	U	0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	0.29	U	0.29	2.60	ug/kg
959-98-8	Endosulfan I	0.21	U	0.21	2.60	ug/kg
60-57-1	Dieldrin	0.21	U	0.21	2.60	ug/kg
72-55-9	4,4-DDE	0.58	J	0.21	2.60	ug/kg
72-20-8	Endrin	0.21	U	0.21	2.60	ug/kg
33213-65-9	Endosulfan II	0.44	U	0.44	2.60	ug/kg
72-54-8	4,4-DDD	1.80	JP	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	0.20	U	0.20	2.60	ug/kg
50-29-3	4,4-DDT	0.44	J	0.21	2.60	ug/kg
72-43-5	Methoxychlor	0.56	U	0.56	2.60	ug/kg
53494-70-5	Endrin ketone	0.29	U	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	0.56	U	0.56	2.60	ug/kg
5103-71-9	alpha-Chlordane	1.10	JP	0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	0.60	JP	0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.20	U	8.20	49.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.63		20 - 144	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.8		19 - 148	69%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS12-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097438.D	1	09/25/25 08:51	09/30/25 12:41	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097438.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 12:41
 Operator : AR\AJ
 Sample : Q3176-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS12-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 12:55:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.524	2.822	62567640	85469297	13.820m	12.998
28) SA Decachlor...	8.997	7.982	31519017	47877318	9.632m	8.412
Target Compounds						
10) B gamma-Chl...	5.901	5.041	6789021	6704096	1.201m	0.768m#
11) B alpha-Chl...	5.986	5.104	12452736	10465553	2.192m	1.261m#
12) B 4,4'-DDE	6.151	5.294	5067615	8857888	1.064m	1.153m
16) A 4,4'-DDD	6.661	5.847	13469045	13445373	3.572m	2.085 #
17) MA 4,4'-DDT	6.975	6.100	3147395	6101560	0.745m	0.882m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 12:41
Operator : AR\AJ
Sample : Q3176-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

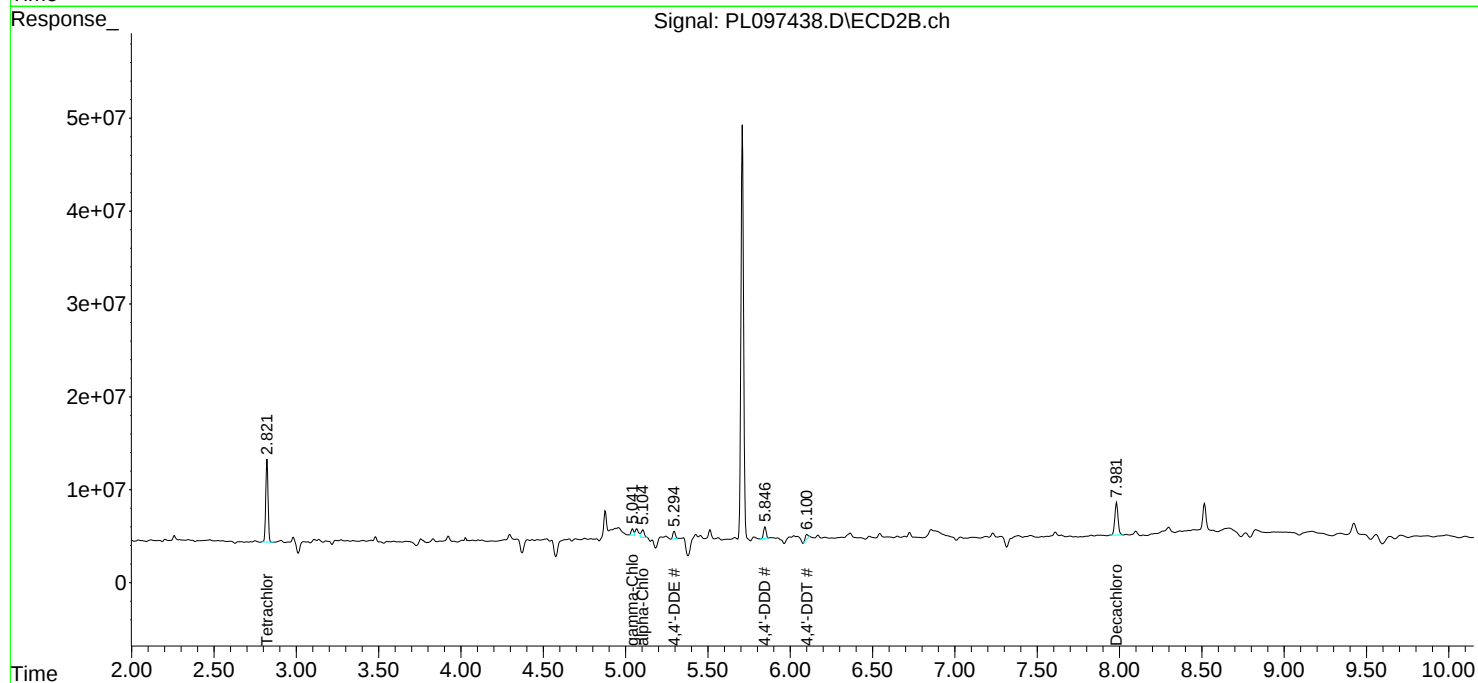
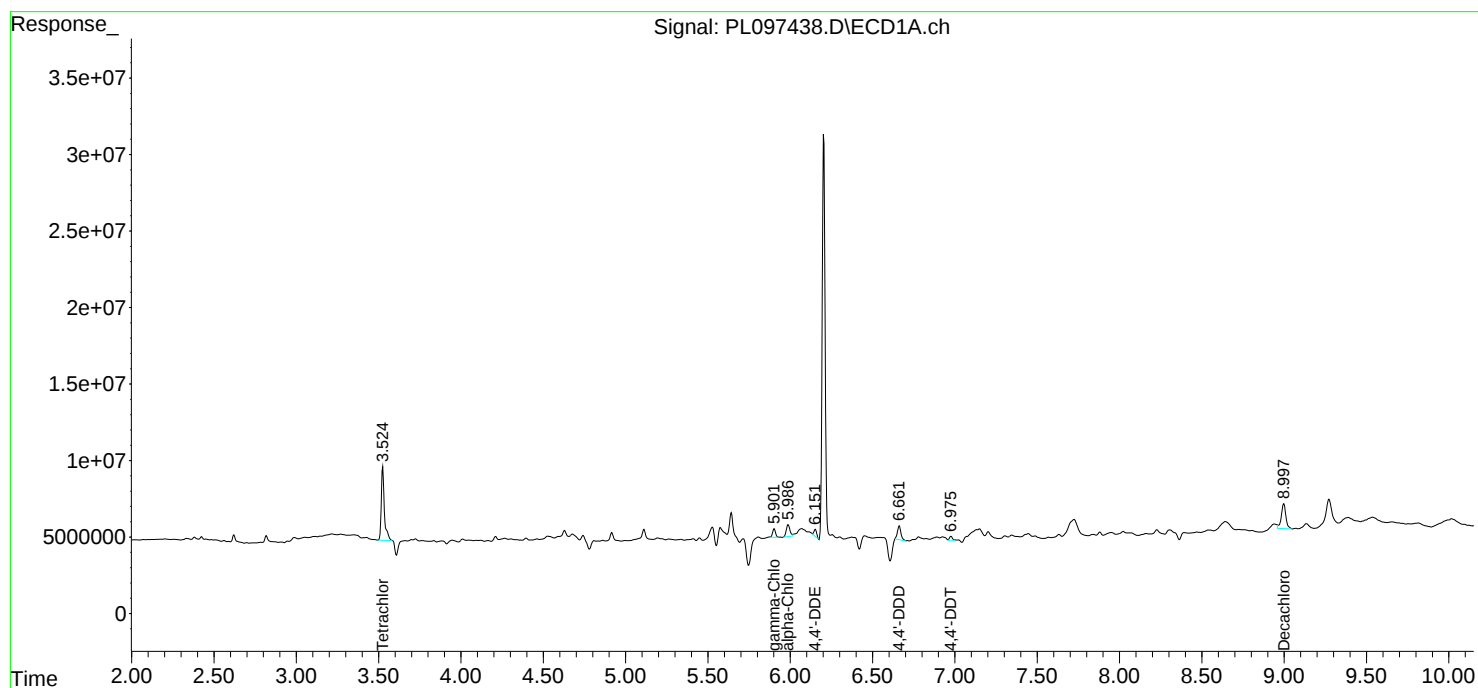
Instrument :
ECD_L
ClientSampleId :
EME-TS12-01

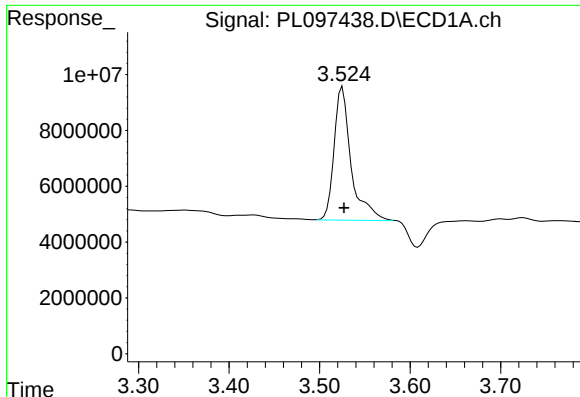
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:55:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





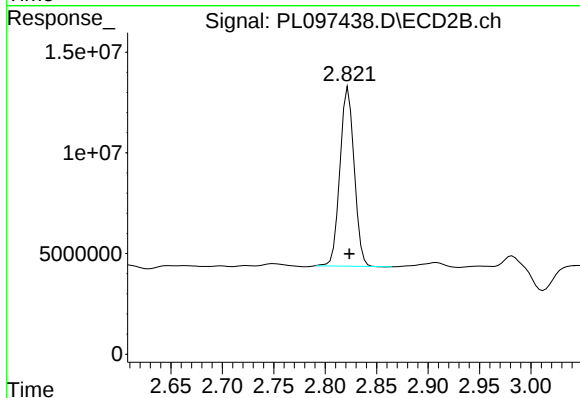
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.003 min
Response: 62567640
Conc: 13.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS12-01

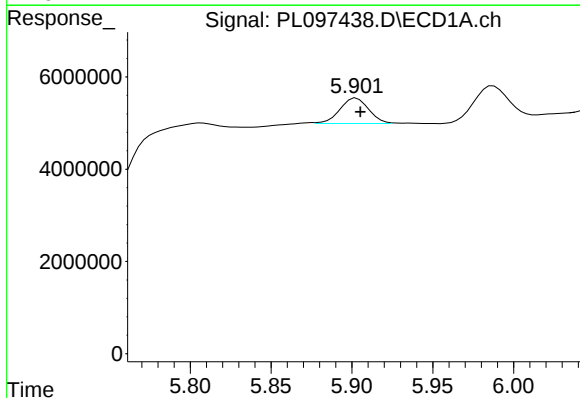
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



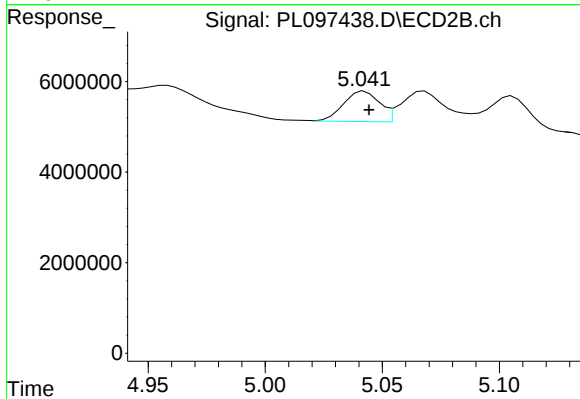
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 85469297
Conc: 13.00 ng/ml



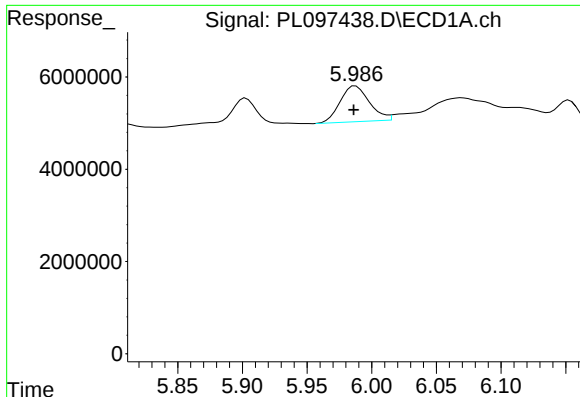
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: -0.004 min
Response: 6789021
Conc: 1.20 ng/ml m



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.003 min
Response: 6704096
Conc: 0.77 ng/ml m



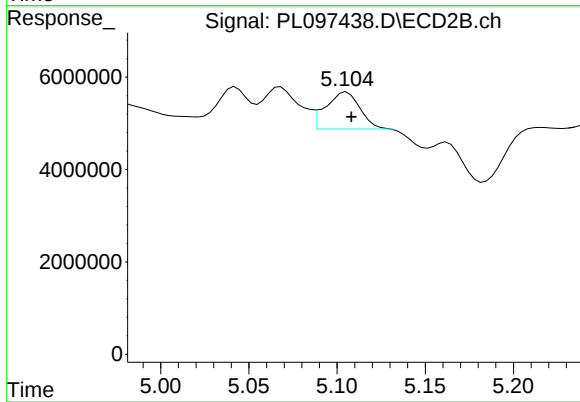
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 12452736
Conc: 2.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS12-01

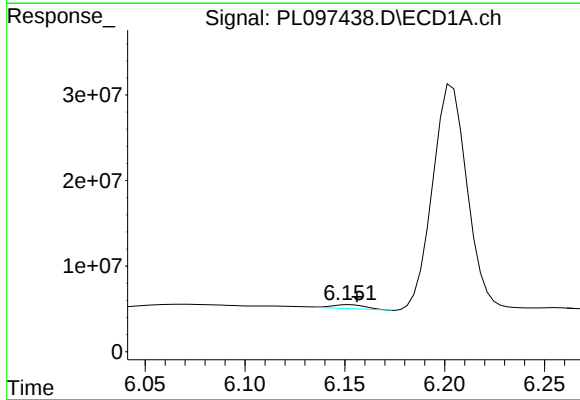
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



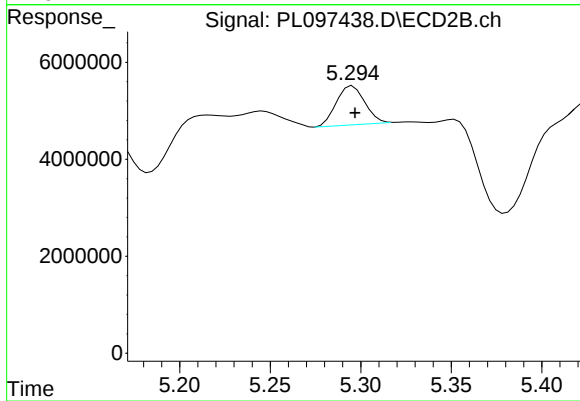
#11 alpha-Chlordane

R.T.: 5.104 min
Delta R.T.: -0.004 min
Response: 10465553
Conc: 1.26 ng/ml m



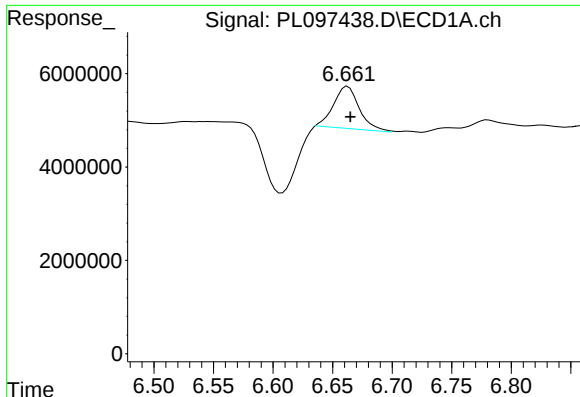
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.005 min
Response: 5067615
Conc: 1.06 ng/ml m



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 8857888
Conc: 1.15 ng/ml m



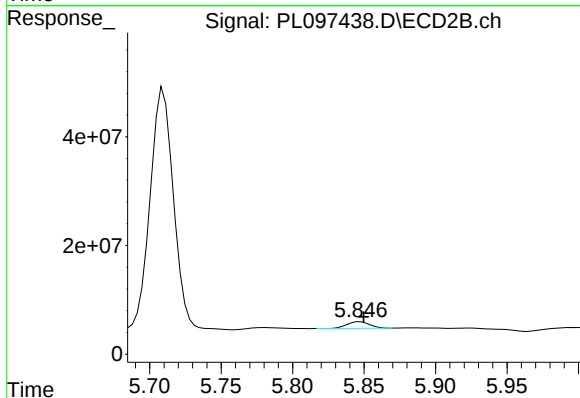
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 13469045
Conc: 3.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS12-01

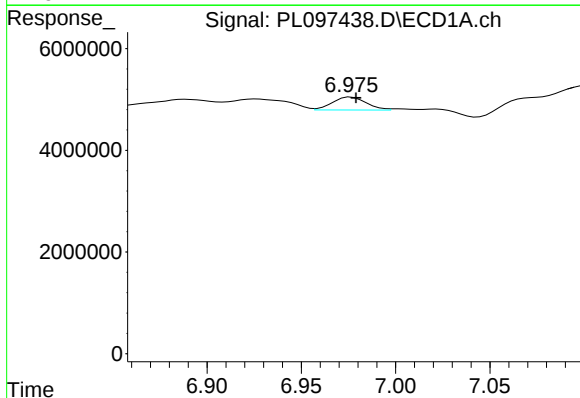
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



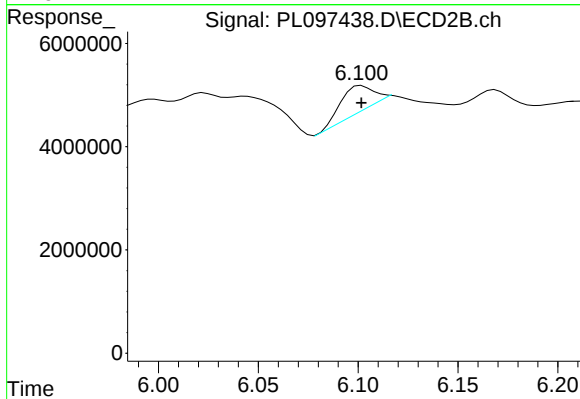
#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.002 min
Response: 13445373
Conc: 2.08 ng/ml



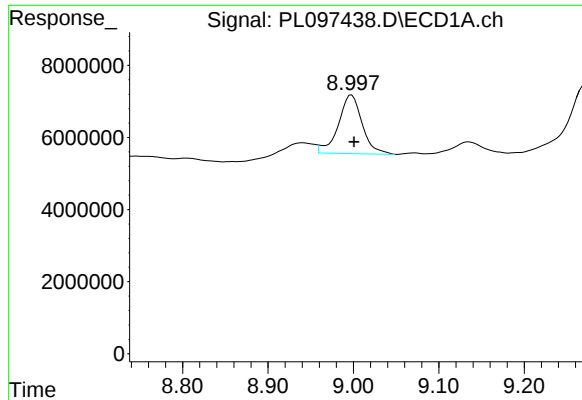
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 3147395
Conc: 0.74 ng/ml m



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 6101560
Conc: 0.88 ng/ml m



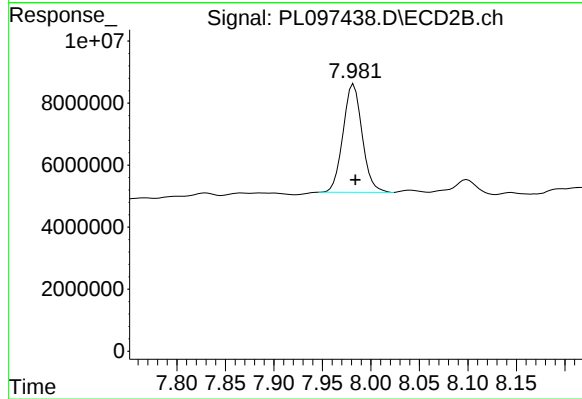
#28 Decachlorobiphenyl

R.T.: 8.997 min
Delta R.T.: -0.004 min
Response: 31519017
Conc: 9.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS12-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 47877318
Conc: 8.41 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS13-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097439.D	1	09/25/25 08:51	09/30/25 12:55	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	2.50	ug/kg
319-85-7	beta-BHC	0.26	U	0.26	2.50	ug/kg
319-86-8	delta-BHC	0.57	U	0.57	2.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	2.50	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	2.50	ug/kg
309-00-2	Aldrin	0.18	U	0.18	2.50	ug/kg
1024-57-3	Heptachlor epoxide	0.28	U	0.28	2.50	ug/kg
959-98-8	Endosulfan I	0.20	U	0.20	2.50	ug/kg
60-57-1	Dieldrin	0.20	U	0.20	2.50	ug/kg
72-55-9	4,4-DDE	0.43	J	0.20	2.50	ug/kg
72-20-8	Endrin	0.20	U	0.20	2.50	ug/kg
33213-65-9	Endosulfan II	0.42	U	0.42	2.50	ug/kg
72-54-8	4,4-DDD	1.10	J	0.22	2.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.19	U	0.19	2.50	ug/kg
50-29-3	4,4-DDT	0.36	J	0.20	2.50	ug/kg
72-43-5	Methoxychlor	0.54	U	0.54	2.50	ug/kg
53494-70-5	Endrin ketone	0.28	U	0.28	2.50	ug/kg
7421-93-4	Endrin aldehyde	0.54	U	0.54	2.50	ug/kg
5103-71-9	alpha-Chlordane	1.20	JP	0.18	2.50	ug/kg
5103-74-2	gamma-Chlordane	0.82	J	0.22	2.50	ug/kg
8001-35-2	Toxaphene	7.90	U	7.90	48.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	5.99		20 - 144	30%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.2		19 - 148	56%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS13-01		SDG No.:	Q3176	
Lab Sample ID:	Q3176-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	68.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097439.D	1	09/25/25 08:51	09/30/25 12:55	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097439.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 12:55
 Operator : AR\AJ
 Sample : Q3176-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS13-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 13:06:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.525	2.823	50572270	63720216	11.171m	9.690
28) SA Decachlor...	8.996	7.982	19610474	25972701	5.993m	4.563
Target Compounds						
10) B gamma-Chl...	5.902	5.043	8769330	14722108	1.551m	1.686
11) B alpha-Chl...	5.986	5.105	14526897	9388346	2.558m	1.131m#
12) B 4,4'-DDE	6.152	5.294	4240893	6021666	0.890m	0.784m
16) A 4,4'-DDD	6.661	5.848	8575338	10858931	2.274m	1.684 #
17) MA 4,4'-DDT	6.976	6.100	3117529	4756319	0.737m	0.687m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 12:55
Operator : AR\AJ
Sample : Q3176-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

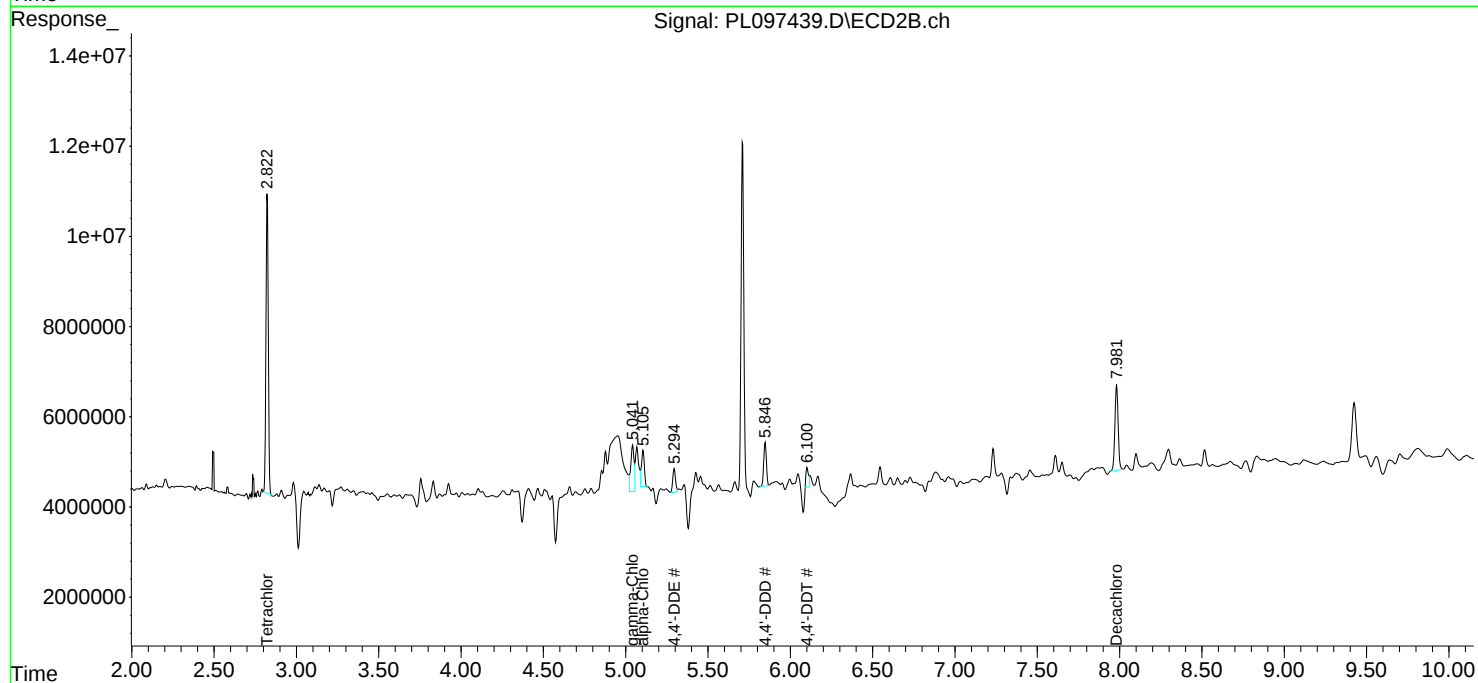
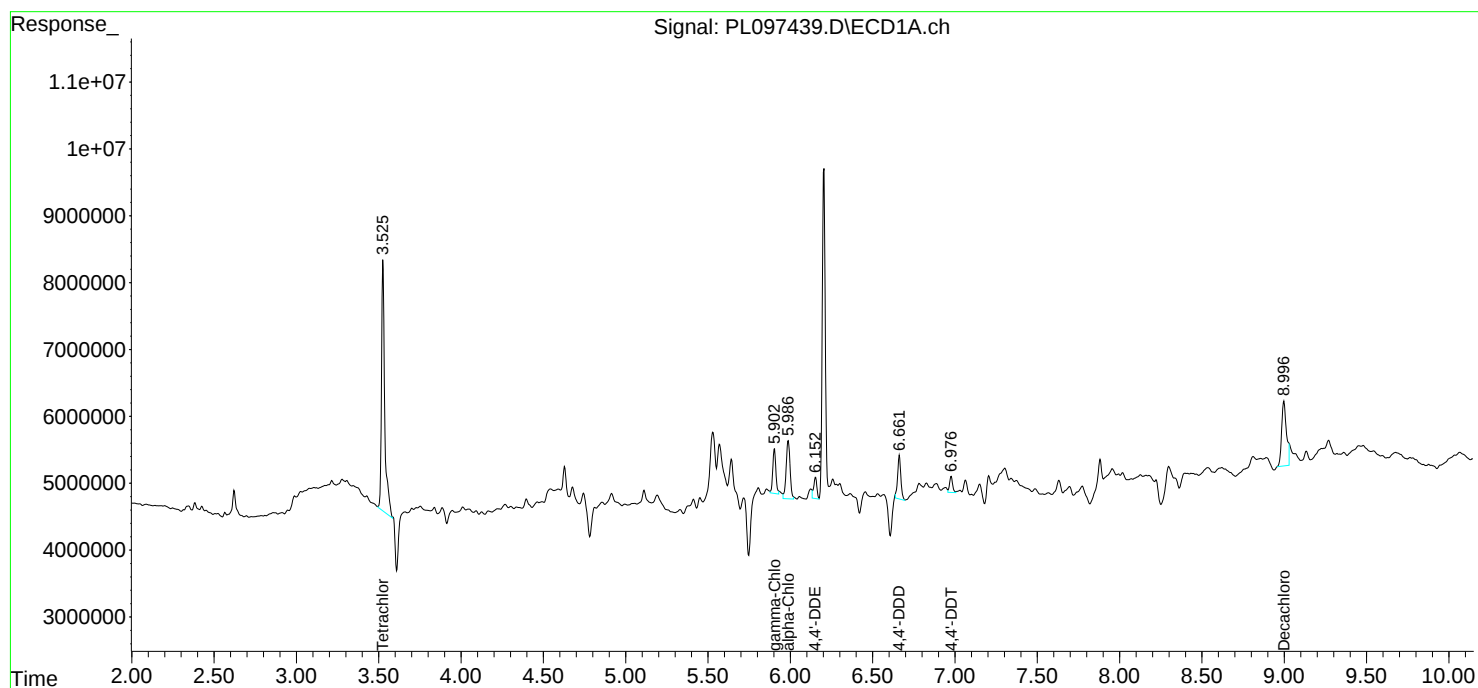
Instrument :
ECD_L
ClientSampleId :
EME-TS13-01

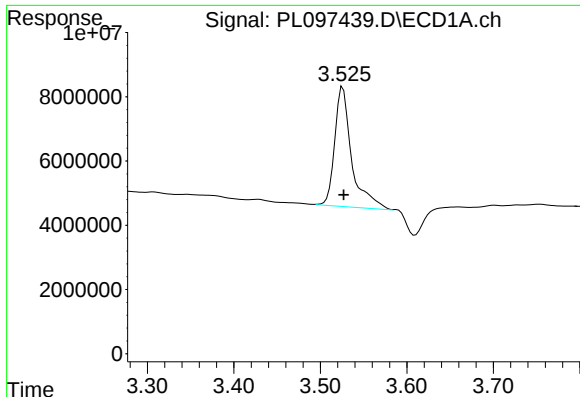
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/01/2025
Supervised By : Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 13:06:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





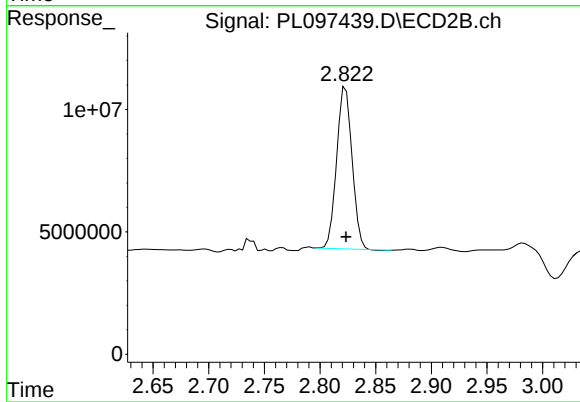
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 50572270
Conc: 11.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS13-01

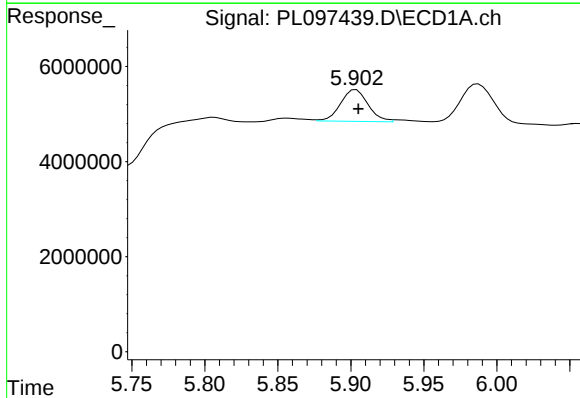
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



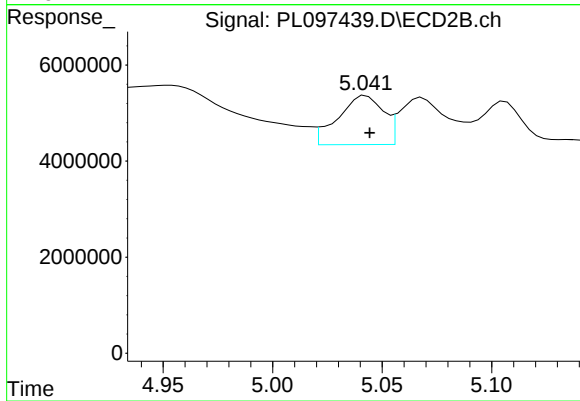
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 63720216
Conc: 9.69 ng/ml



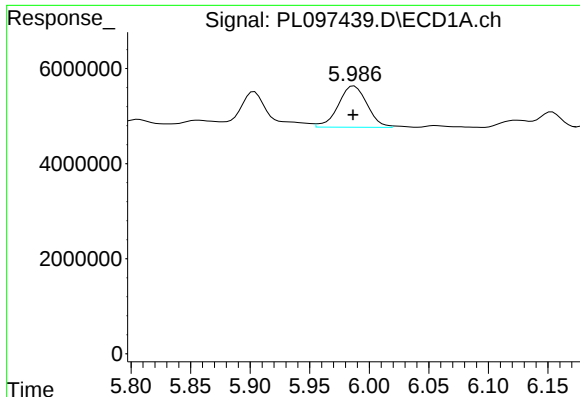
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: -0.003 min
Response: 8769330
Conc: 1.55 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 14722108
Conc: 1.69 ng/ml



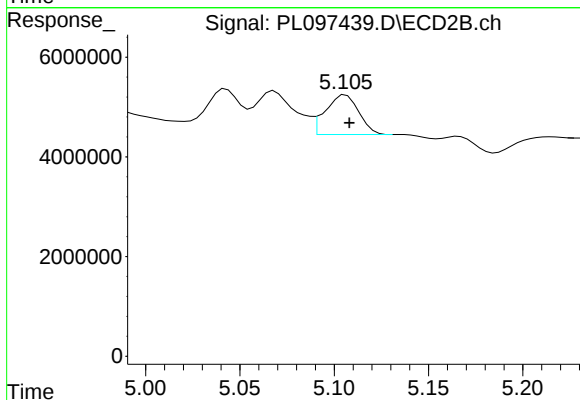
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 14526897
Conc: 2.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS13-01

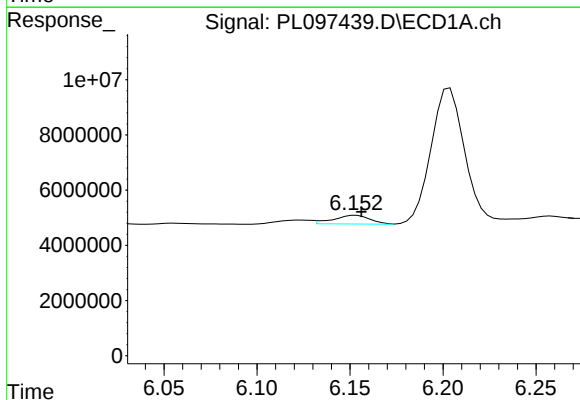
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



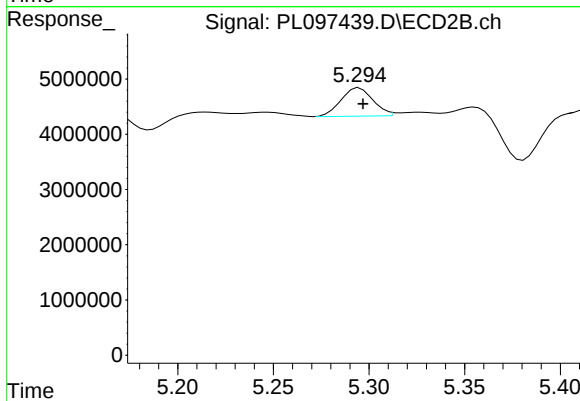
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.003 min
Response: 9388346
Conc: 1.13 ng/ml m



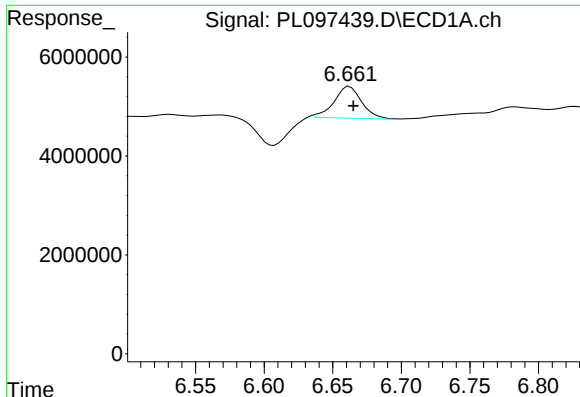
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: -0.004 min
Response: 4240893
Conc: 0.89 ng/ml m



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 6021666
Conc: 0.78 ng/ml m



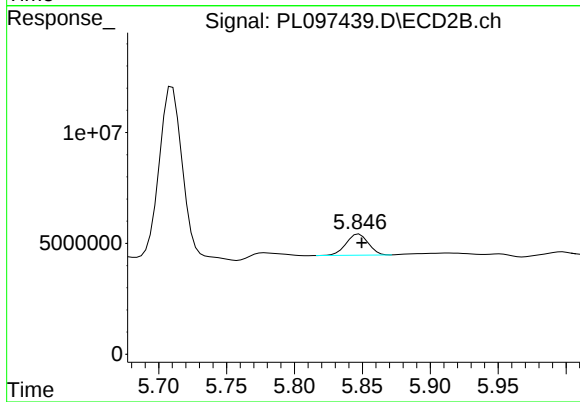
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 8575338
Conc: 2.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS13-01

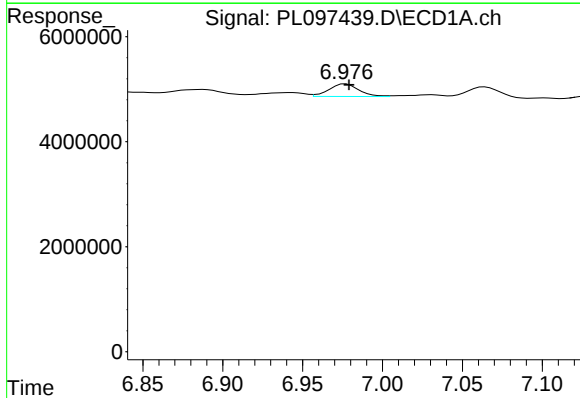
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



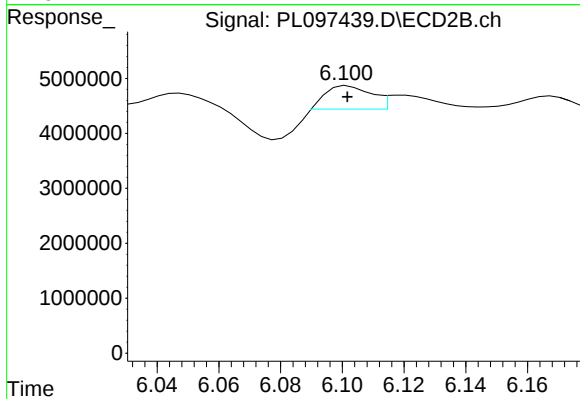
#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 10858931
Conc: 1.68 ng/ml



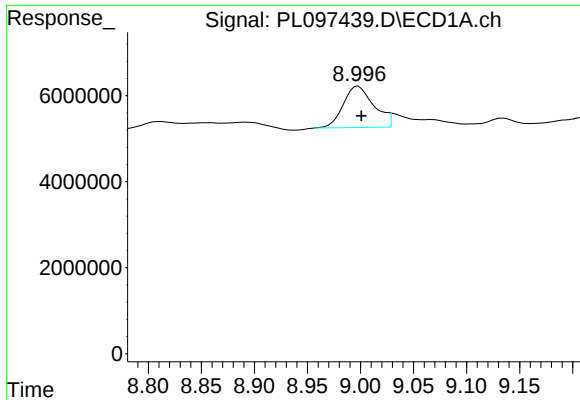
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 3117529
Conc: 0.74 ng/ml m



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 4756319
Conc: 0.69 ng/ml m



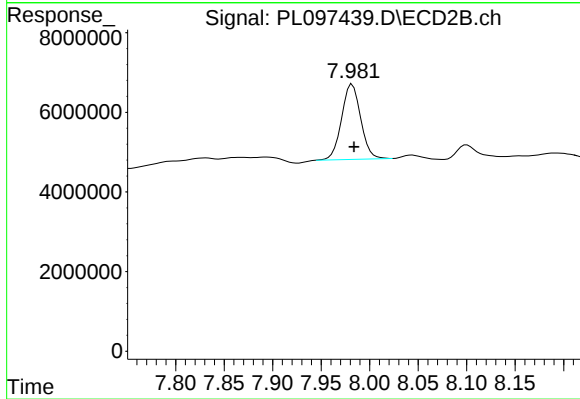
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: -0.004 min
Response: 19610474
Conc: 5.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS13-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 25972701
Conc: 4.56 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-02	SDG No.:	Q3176
Lab Sample ID:	Q3176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	70
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097440.D	1	09/25/25 08:51	09/30/25 13:08	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	2.40	ug/kg
319-85-7	beta-BHC	0.26	U	0.26	2.40	ug/kg
319-86-8	delta-BHC	0.56	U	0.56	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	2.40	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	2.40	ug/kg
309-00-2	Aldrin	0.17	U	0.17	2.40	ug/kg
1024-57-3	Heptachlor epoxide	0.27	U	0.27	2.40	ug/kg
959-98-8	Endosulfan I	0.20	U	0.20	2.40	ug/kg
60-57-1	Dieldrin	0.20	U	0.20	2.40	ug/kg
72-55-9	4,4-DDE	0.35	J	0.20	2.40	ug/kg
72-20-8	Endrin	0.20	U	0.20	2.40	ug/kg
33213-65-9	Endosulfan II	0.41	U	0.41	2.40	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	0.19	U	0.19	2.40	ug/kg
50-29-3	4,4-DDT	0.20	U	0.20	2.40	ug/kg
72-43-5	Methoxychlor	0.53	U	0.53	2.40	ug/kg
53494-70-5	Endrin ketone	0.27	U	0.27	2.40	ug/kg
7421-93-4	Endrin aldehyde	0.53	U	0.53	2.40	ug/kg
5103-71-9	alpha-Chlordane	0.73	JP	0.17	2.40	ug/kg
5103-74-2	gamma-Chlordane	0.31	J	0.21	2.40	ug/kg
8001-35-2	Toxaphene	7.70	U	7.70	47.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	5.17		20 - 144	26%	SPK: 20
877-09-8	Tetrachloro-m-xylene	7.88		19 - 148	39%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-02	SDG No.:	Q3176
Lab Sample ID:	Q3176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	70
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097440.D	1	09/25/25 08:51	09/30/25 13:08	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097440.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 13:08
 Operator : AR\AJ
 Sample : Q3176-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS14-02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 13:31:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.524	2.823	34919219	51844614	7.713m	7.884
2) SA Decachlor...	8.996	7.982	16917787	25761914	5.170m	4.526
Target Compounds						
10) B gamma-Chl...	5.902	5.042	3745438	2542442	0.662m	0.291m#
11) B alpha-Chl...	5.987	5.105	8690707	5023127	1.530m	0.605m#
12) B 4,4'-DDE	6.152	5.294	3485092	4694368	0.731m	0.611m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 13:08
Operator : AR\AJ
Sample : Q3176-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

EME-TS14-02

Manual Integrations

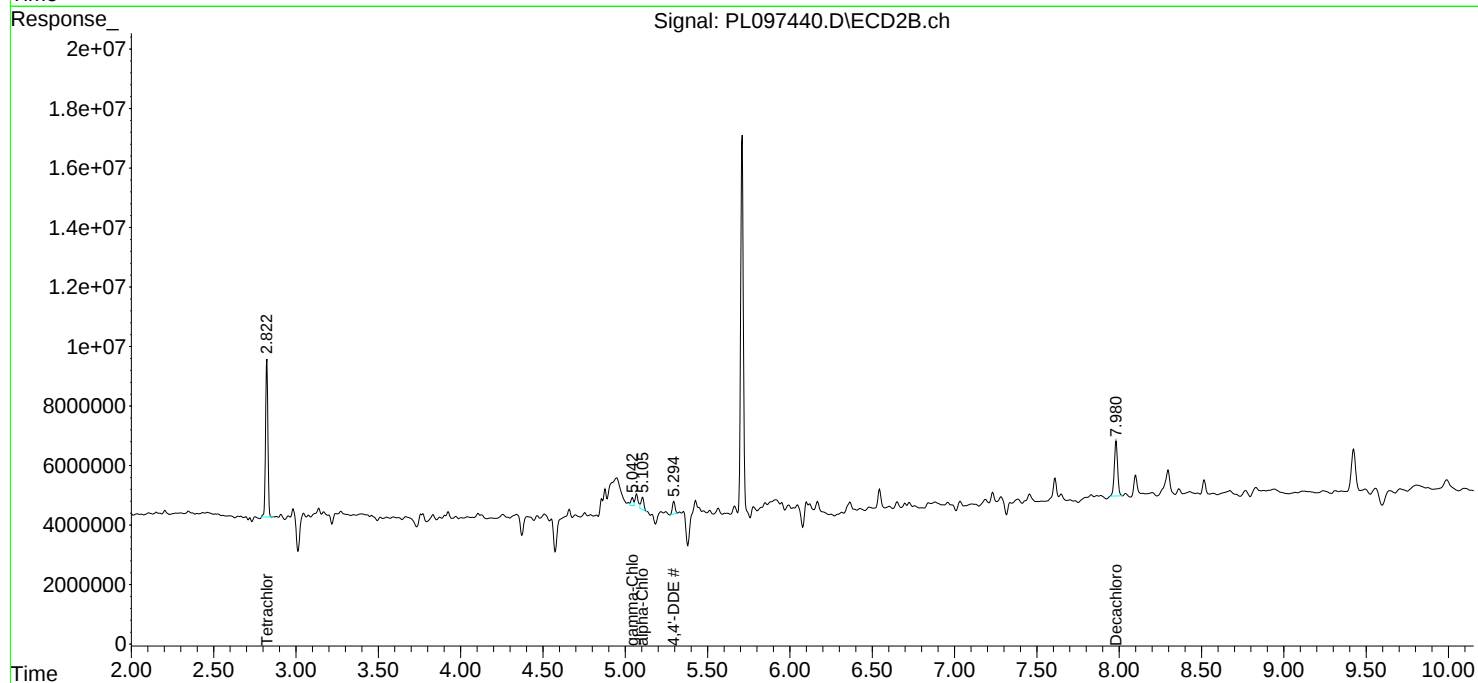
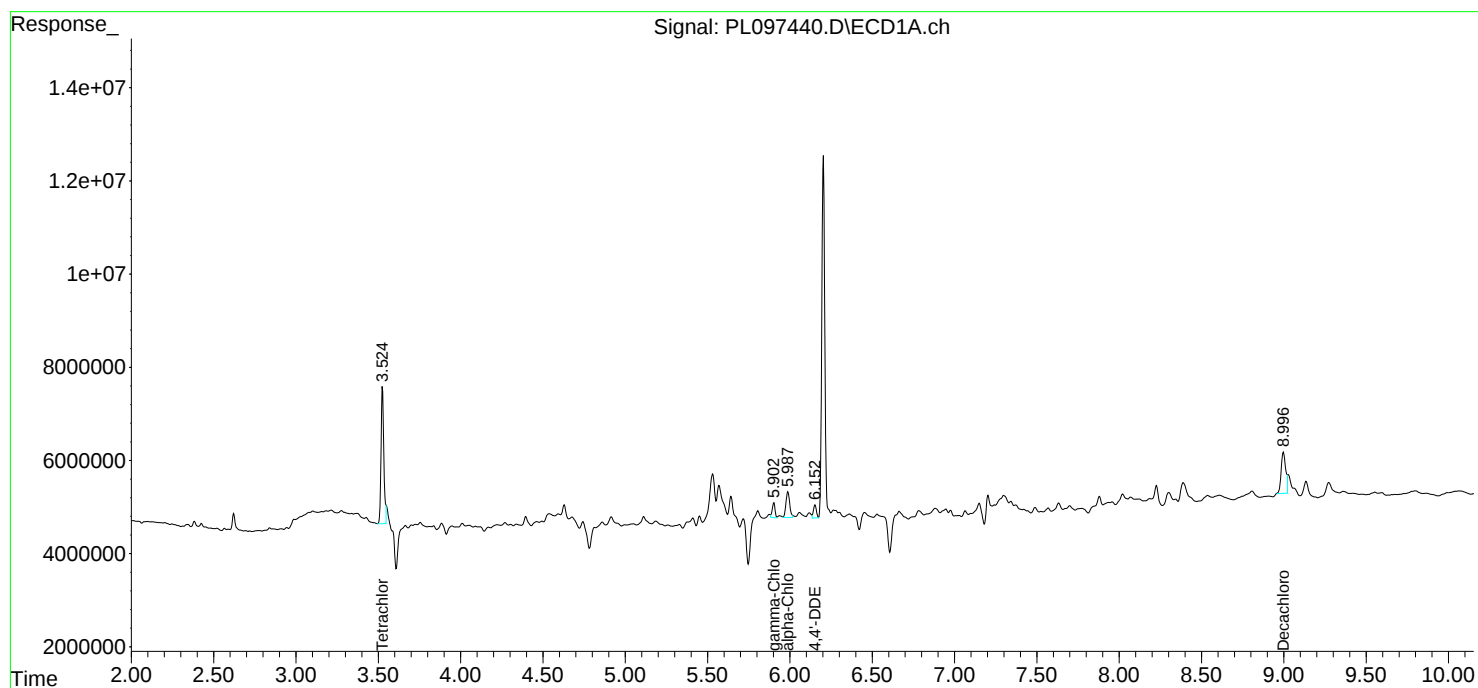
APPROVED

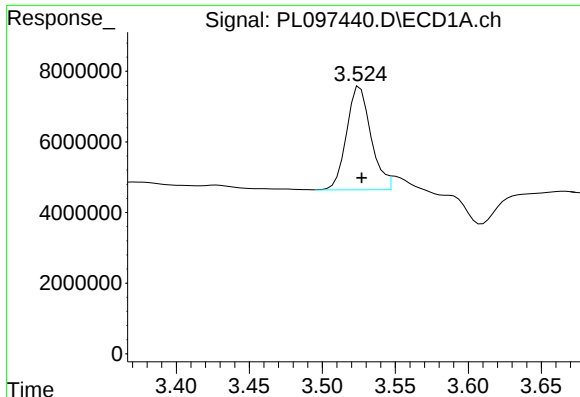
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 13:31:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





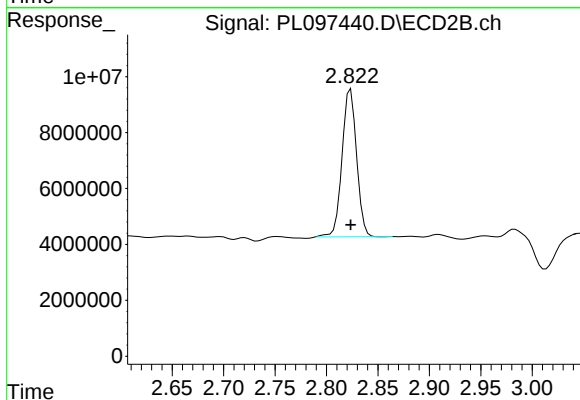
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.003 min
Response: 34919219
Conc: 7.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-02

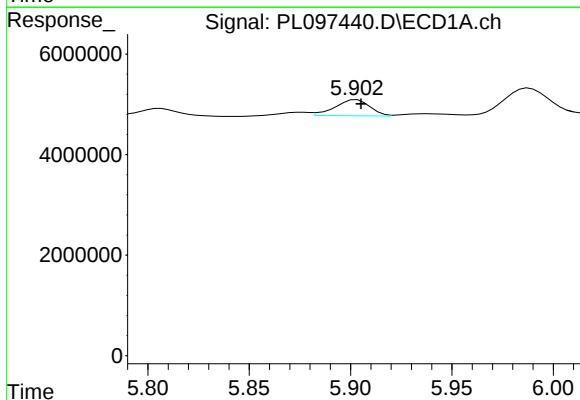
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



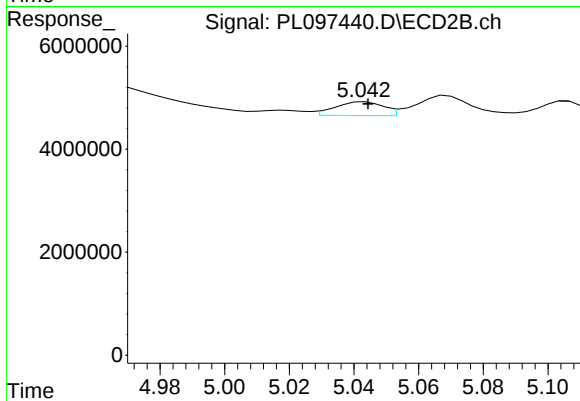
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 51844614
Conc: 7.88 ng/ml



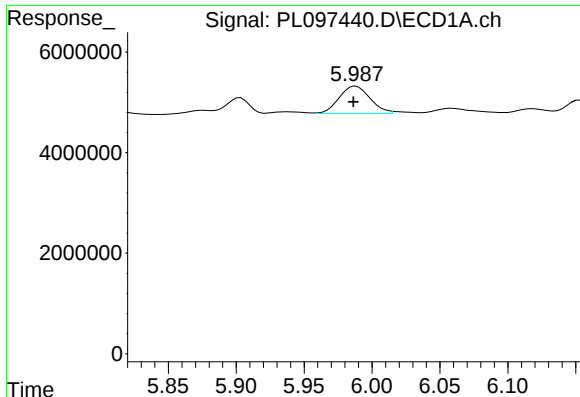
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: -0.003 min
Response: 3745438
Conc: 0.66 ng/ml m



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 2542442
Conc: 0.29 ng/ml m



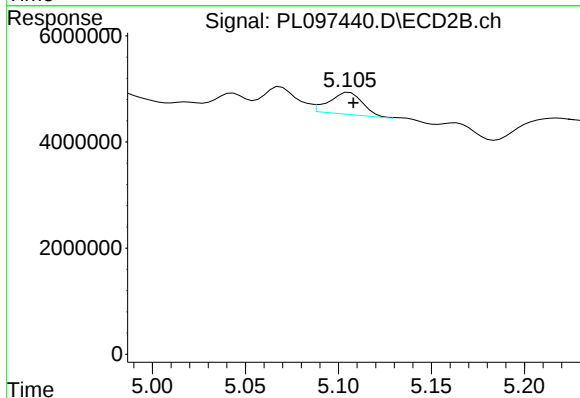
#11 alpha-Chlordane

R.T.: 5.987 min
Delta R.T.: 0.000 min
Response: 8690707
Conc: 1.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-02

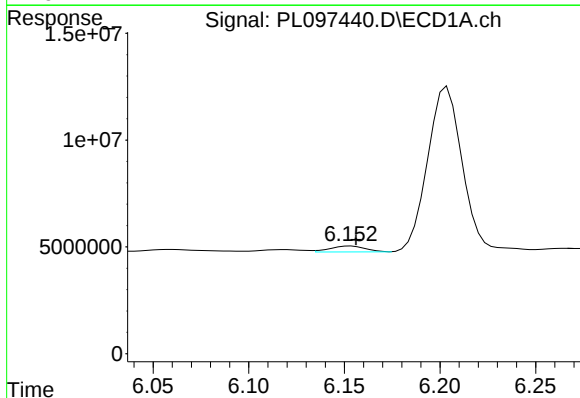
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



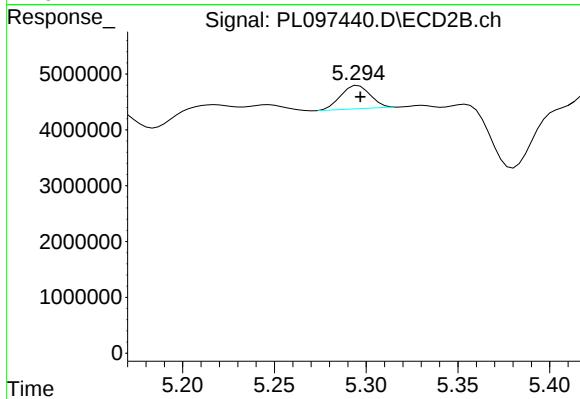
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.003 min
Response: 5023127
Conc: 0.61 ng/ml m



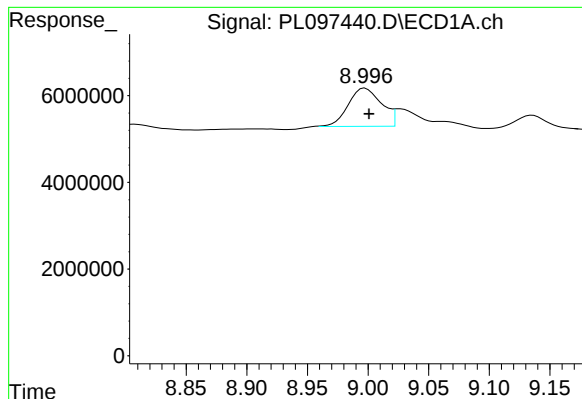
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: -0.004 min
Response: 3485092
Conc: 0.73 ng/ml m



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 4694368
Conc: 0.61 ng/ml m



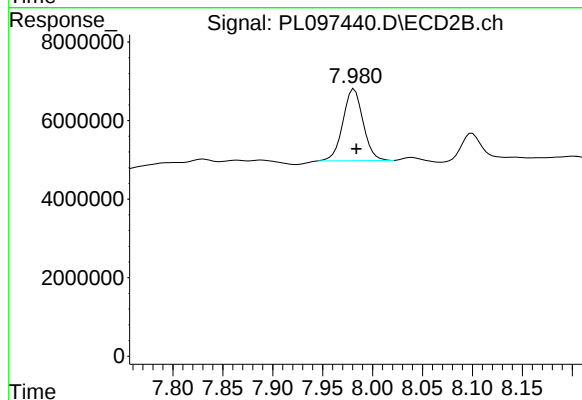
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: -0.005 min
Response: 16917787
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-02

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 25761914
Conc: 4.53 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3176</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

 GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3176</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

 GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.99	6.98	6.98	6.99	6.99	6.98	6.88	7.08
gamma-BHC (Lindane)	3.73	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: ROYF02
SDG NO.: Q3176
Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4207140000	4130580000	4014010000	3964590000	4172770000	4097820000	3
4,4'-DDE	5374140000	5287370000	5128730000	5024430000	5222910000	5207510000	3
4,4'-DDT	4574330000	4523620000	4372800000	4315380000	4476180000	4452460000	2
Aldrin	6538430000	6445600000	6233910000	6135550000	6396240000	6349940000	3
alpha-BHC	7531750000	7318540000	6929420000	6661110000	6481880000	6984540000	6
alpha-Chlordane	5775350000	5724530000	5604540000	5619990000	6079780000	5760840000	3
beta-BHC	2482280000	2482500000	2464130000	2562370000	2908310000	2579920000	7
Decachlorobiphenyl	4402260000	4491650000	4568910000	4877590000	5784880000	4825060000	12
delta-BHC	6900540000	6743360000	6436800000	6196590000	6010210000	6457500000	6
Dieldrin	5878480000	5813890000	5658660000	5591850000	5880560000	5764690000	2
Endosulfan I	5355870000	5330150000	5246990000	5296210000	5778070000	5401460000	4
Endosulfan II	4863810000	4809890000	4767830000	4731790000	5215710000	4877810000	4
Endosulfan sulfate	4488130000	4504880000	4451040000	4538020000	5019730000	4600360000	5
Endrin	4996080000	4929650000	4790800000	4732630000	5020530000	4893940000	3
Endrin aldehyde	3278170000	3320750000	3308650000	3392630000	3852740000	3430590000	7
Endrin ketone	4890930000	4897630000	4794420000	4865030000	5288830000	4947370000	4
gamma-BHC (Lindane)	6999120000	6835130000	6524340000	6332700000	6393110000	6616880000	4
gamma-Chlordane	5813690000	5752510000	5584900000	5550280000	5858310000	5711940000	2
Heptachlor	6772400000	6712800000	6486200000	6442050000	6649430000	6612570000	2
Heptachlor epoxide	5686760000	5637150000	5520680000	5549540000	6180470000	5714920000	5
Methoxychlor	2238390000	2263790000	2253430000	2355450000	2671490000	2356510000	8
Tetrachloro-m-xylene	3132360000	3130620000	3109950000	3314170000	3565160000	3250450000	6



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: ROYF02
SDG NO.: Q3176

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	30304900000	30692500000	31009200000	32903500000	37228900000	32427800000	9
4,4'-DDE	36124200000	36272100000	36686200000	38763000000	43549500000	38279000000	8
4,4'-DDT	33099900000	33102400000	33251000000	34736500000	37705500000	34379100000	6
Aldrin	37755900000	38014300000	38272600000	40300100000	45332100000	39935000000	8
alpha-BHC	41983700000	42103500000	41877000000	43751600000	49199100000	43783000000	7
alpha-Chlordane	35496600000	35665700000	35983600000	37925400000	43255100000	37665300000	9
beta-BHC	16104200000	16264800000	16450900000	17520600000	20336000000	17335300000	10
Decachlorobiphenyl	30416300000	30281700000	30308400000	32239300000	38828000000	32414700000	11
delta-BHC	39478300000	39575300000	39625200000	41252800000	46542500000	41294800000	7
Dieldrin	36291200000	36723400000	37358800000	39527500000	44828700000	38945900000	9
Endosulfan I	31926100000	32408300000	33081700000	35241100000	40368600000	34605200000	10
Endosulfan II	31161800000	31580800000	32283100000	34269000000	39458900000	33750700000	10
Endosulfan sulfate	30125200000	30553700000	31128700000	33188100000	38456200000	32690400000	10
Endrin	32764600000	33397800000	34021300000	37450400000	41526700000	35832100000	10
Endrin aldehyde	21653400000	22092600000	22663100000	23908000000	27417000000	23546800000	10
Endrin ketone	33026100000	33493700000	34356800000	36799800000	42838200000	36102900000	11
gamma-BHC (Lindane)	39011200000	39020700000	38893100000	40648000000	46104500000	40735500000	8
gamma-Chlordane	37136200000	37337600000	37533000000	39366900000	45057800000	39286300000	9
Heptachlor	38021400000	38528800000	38887000000	41156300000	46990300000	40716800000	9
Heptachlor epoxide	33658400000	34135100000	34882100000	37203700000	44446000000	36865100000	12
Methoxychlor	15805600000	16152500000	16575000000	17899900000	20568800000	17400400000	11
Tetrachloro-m-xylene	25734100000	25856000000	26010100000	27671900000	31977700000	27449900000	10



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
Instrument ID: ECD_D **Date(s) Analyzed:** 09/18/2025 09/18/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	44388200
		2	6.44	6.34	6.54	60483400
		3	7.14	7.04	7.24	113658000
		4	7.56	7.46	7.66	146448000
		5	7.93	7.83	8.03	83400400



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3176

Instrument ID: ECD_D Date(s) Analyzed: 09/18/2025 09/18/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	277984000
		2	5.64	5.54	5.74	187173000
		3	6.75	6.65	6.85	940593000
		4	7.19	7.09	7.29	622769000
		5	7.32	7.22	7.42	479062000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	313.2E6	2573.4E6	100.721	98.939
28)	SA Decachlor...	9.066	8.063	440.2E6	3041.6E6	96.353	100.356
Target Compounds							
2)	A alpha-BHC	3.995	3.388	753.2E6	4198.4E6	108.692	100.255
3)	MA gamma-BHC...	4.326	3.725	699.9E6	3901.1E6	107.277	100.303
4)	MA Heptachlor	4.925	4.077	677.2E6	3802.1E6	104.413	97.774
5)	MB Aldrin	5.266	4.363	653.8E6	3775.6E6	104.885	98.650
6)	B beta-BHC	4.513	4.020	248.2E6	1610.4E6	100.737	97.893
7)	B delta-BHC	4.761	4.257	690.1E6	3947.8E6	107.205	99.629
8)	B Heptachlo...	5.686	4.866	568.7E6	3365.8E6	103.008	96.492
9)	A Endosulfan I	6.070	5.241	535.6E6	3192.6E6	102.075	96.507
10)	B gamma-Chl...	5.941	5.119	581.4E6	3713.6E6	104.097	98.943
11)	B alpha-Chl...	6.022	5.184	577.5E6	3549.7E6	103.048	98.646
12)	B 4,4'-DDE	6.192	5.368	537.4E6	3612.4E6	104.785	98.468
13)	MA Dieldrin	6.342	5.506	587.8E6	3629.1E6	103.885	97.142
14)	MA Endrin	6.570	5.783	499.6E6	3276.5E6	104.285	96.306
15)	B Endosulfa...	6.782	6.074	486.4E6	3116.2E6	102.013	96.527
16)	A 4,4'-DDD	6.701	5.923	420.7E6	3030.5E6	104.811	97.729
17)	MA 4,4'-DDT	7.017	6.177	457.4E6	3310.0E6	104.609	99.546
18)	B Endrin al...	6.911	6.252	327.8E6	2165.3E6	99.079	95.545
19)	B Endosulfa...	7.145	6.476	448.8E6	3012.5E6	100.833	96.776
20)	A Methoxychlor	7.489	6.747	223.8E6	1580.6E6	99.333	95.358
21)	B Endrin ke...	7.626	6.985	489.1E6	3302.6E6	102.013	96.127
22)	Mirex	8.109	7.178	339.1E6	2515.9E6	97.222	97.045

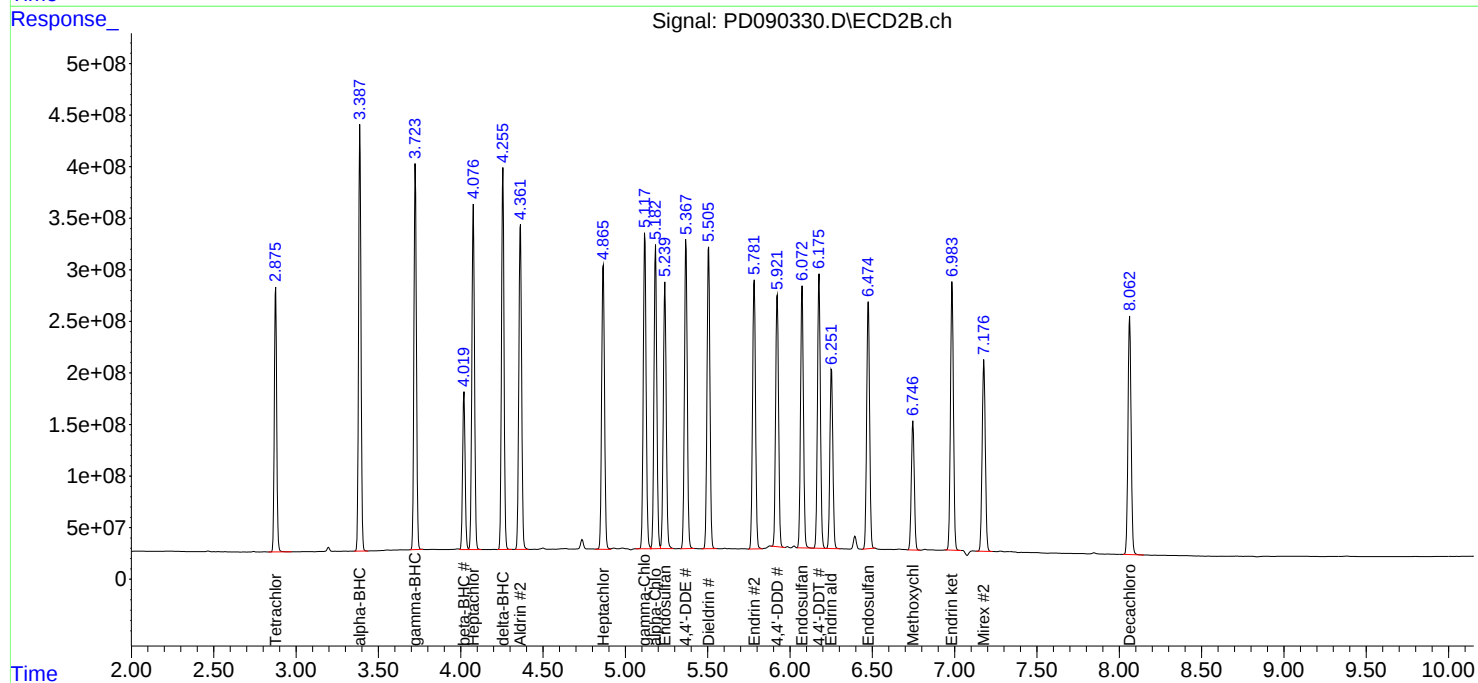
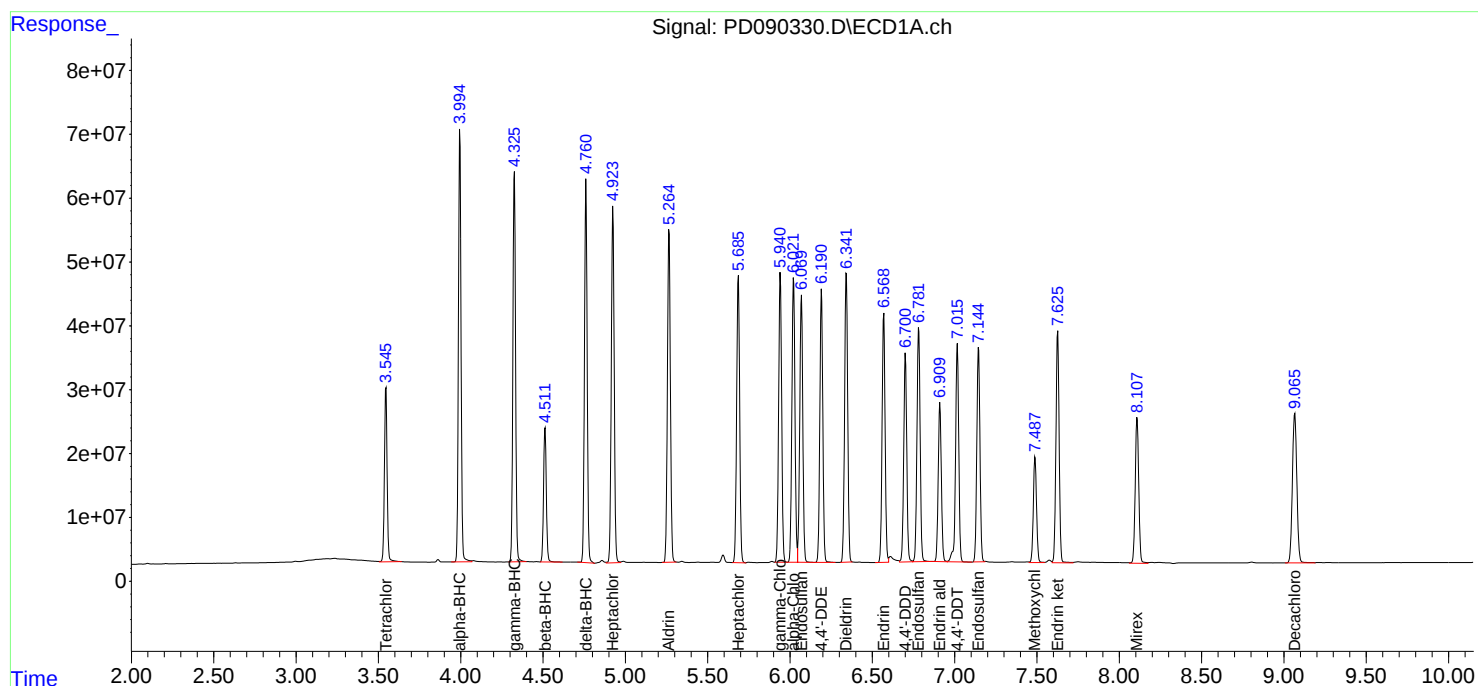
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

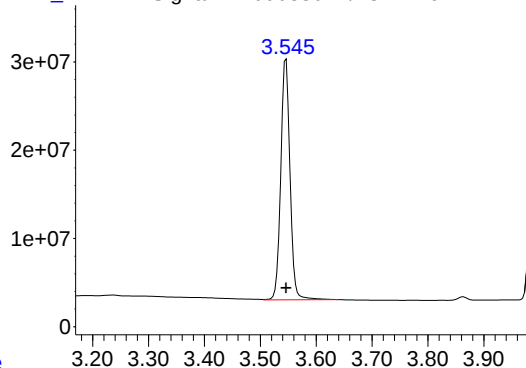
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090330.D\ECD1A.ch

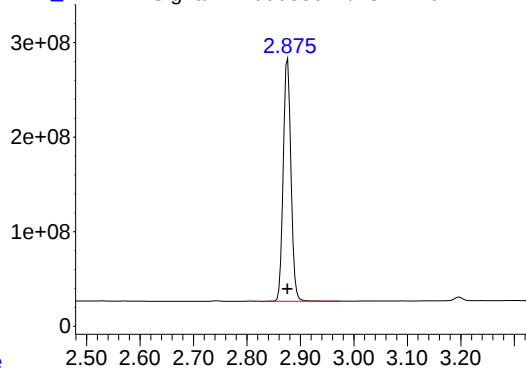


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 313236095
Conc: 100.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

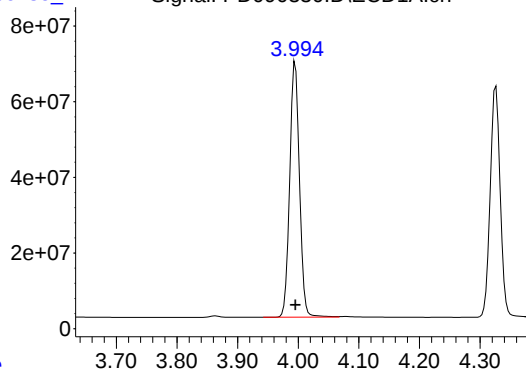
Time Response_ Signal: PD090330.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 2573409929
Conc: 98.94 ng/ml

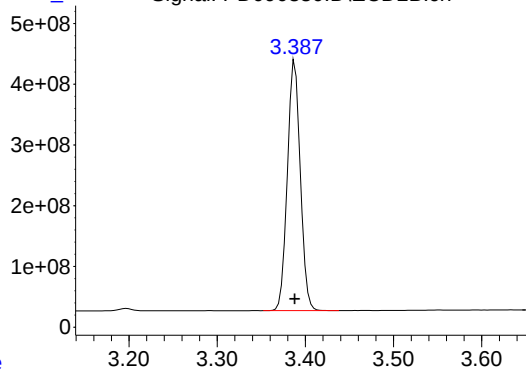
Time Response_ Signal: PD090330.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 753174662
Conc: 108.69 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



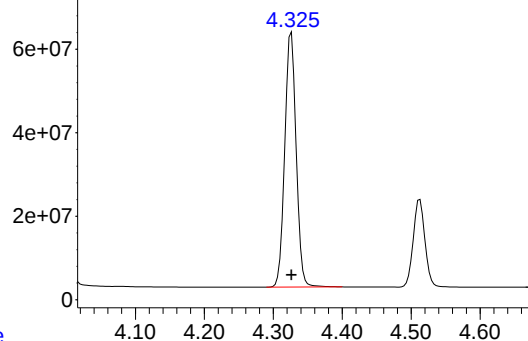
#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 4198372530
Conc: 100.25 ng/ml

Response_

Signal: PD090330.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 699911882
Conc: 107.28 ng/ml

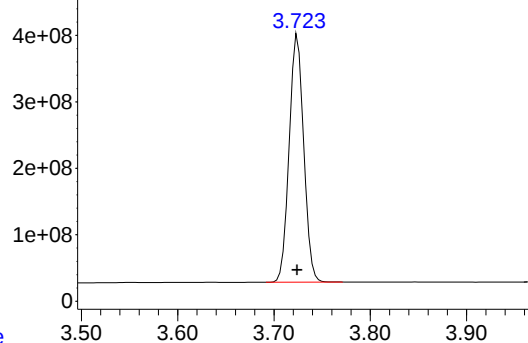
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090330.D\ECD2B.ch

#3 gamma-BHC (Lindane)



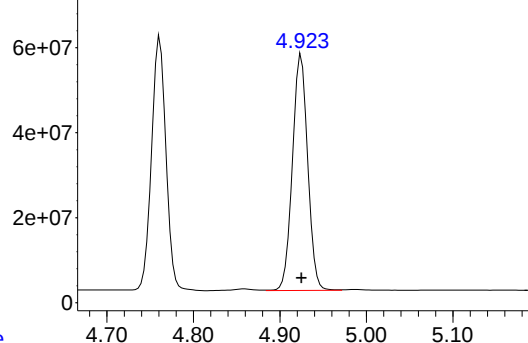
R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 3901117493
Conc: 100.30 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#4 Heptachlor



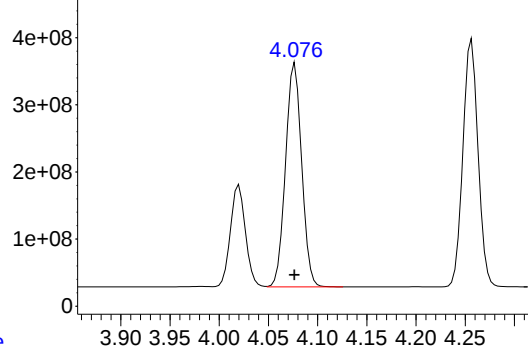
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 677240375
Conc: 104.41 ng/ml

Time

Response_

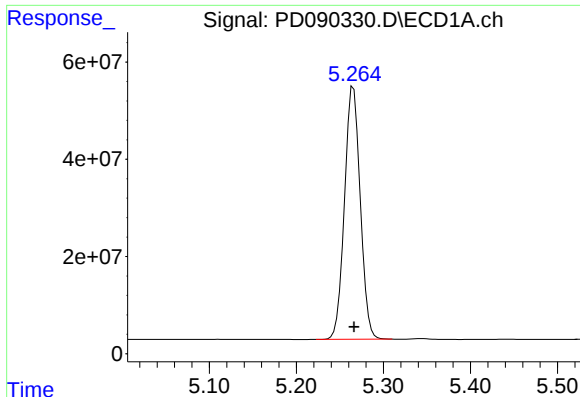
Signal: PD090330.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 3802136026
Conc: 97.77 ng/ml

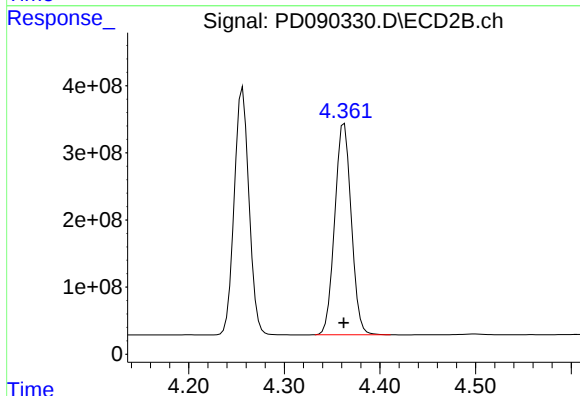
Time



#5 Aldrin

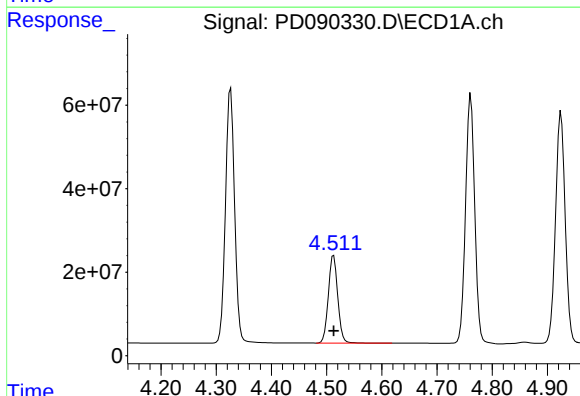
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 653842811
Conc: 104.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



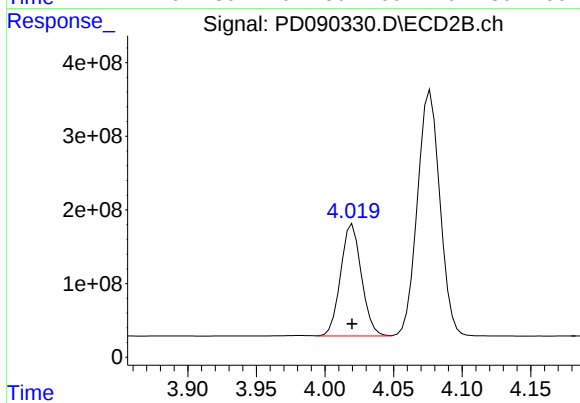
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 3775585422
Conc: 98.65 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 248228452
Conc: 100.74 ng/ml

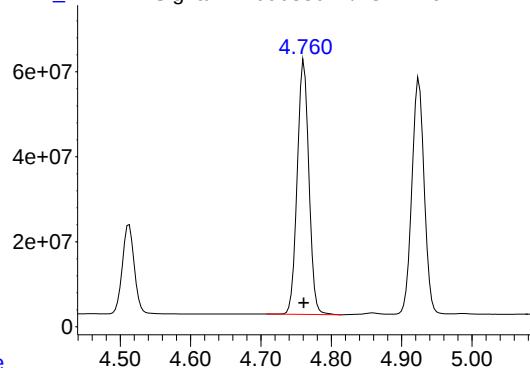


#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1610423474
Conc: 97.89 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#7 delta-BHC

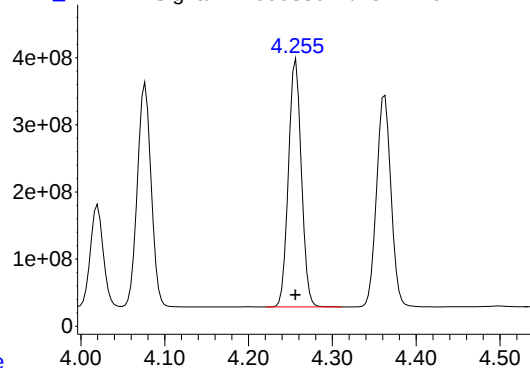


R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 690054443
Conc: 107.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time Response_ Signal: PD090330.D\ECD2B.ch

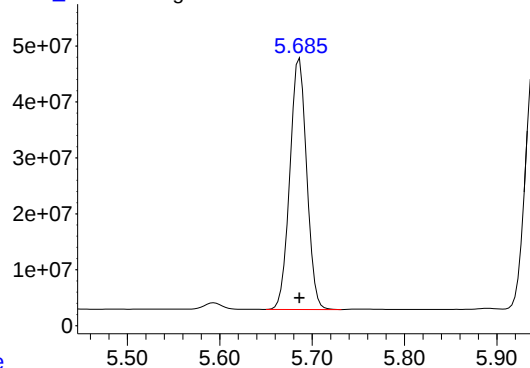
#7 delta-BHC



R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 3947831686
Conc: 99.63 ng/ml

Time Response_ Signal: PD090330.D\ECD1A.ch

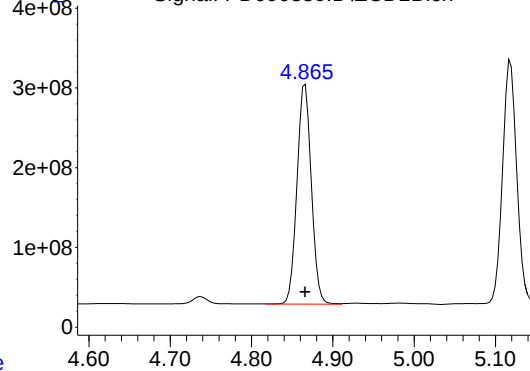
#8 Heptachlor epoxide



R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 568676489
Conc: 103.01 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch

#8 Heptachlor epoxide

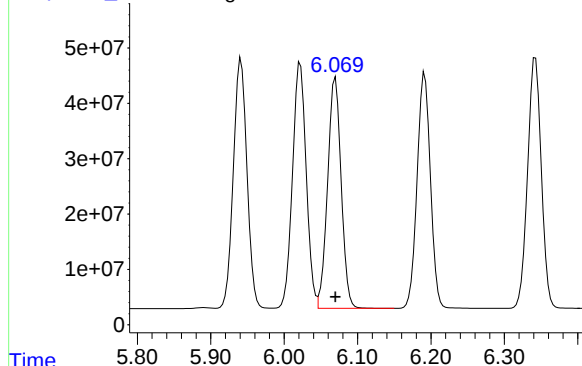


R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 3365839441
Conc: 96.49 ng/ml

Response_

Signal: PD090330.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 535587092
Conc: 102.08 ng/ml

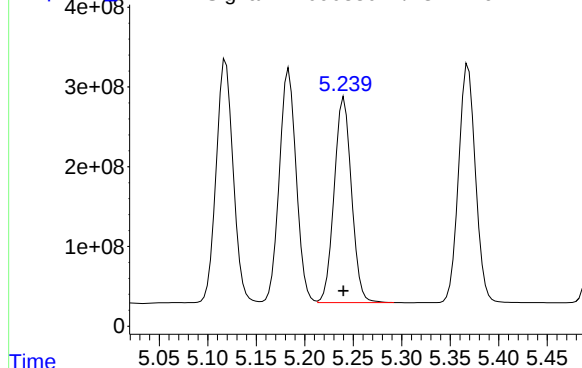
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#9 Endosulfan I



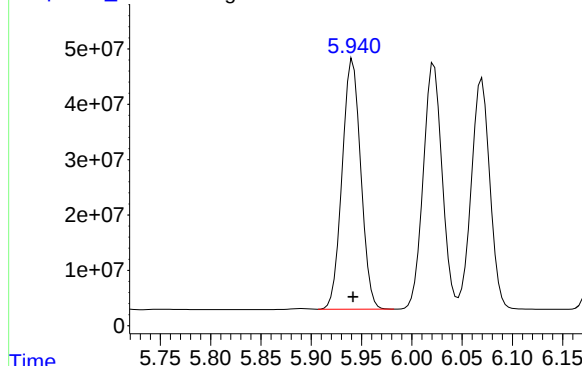
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 3192613538
Conc: 96.51 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#10 gamma-Chlordane



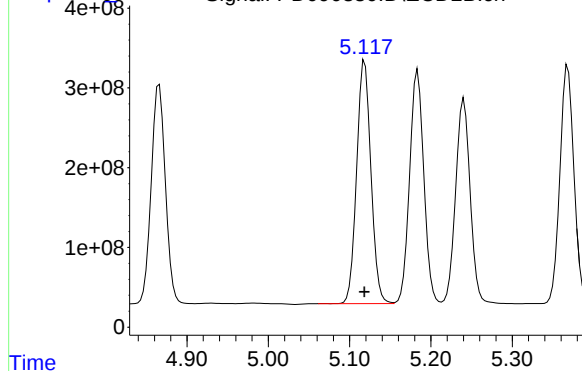
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 581369072
Conc: 104.10 ng/ml

Time

Response

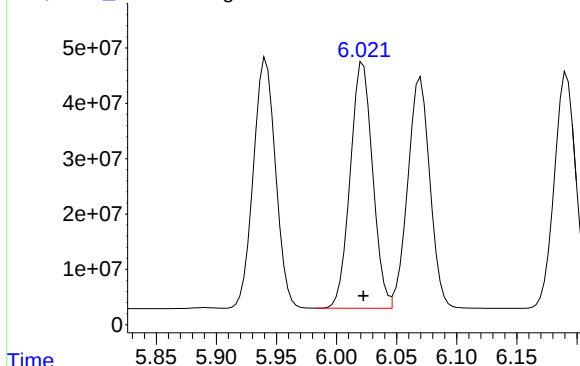
Signal: PD090330.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 3713621770
Conc: 98.94 ng/ml

Time



R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 577534554
Conc: 103.05 ng/ml

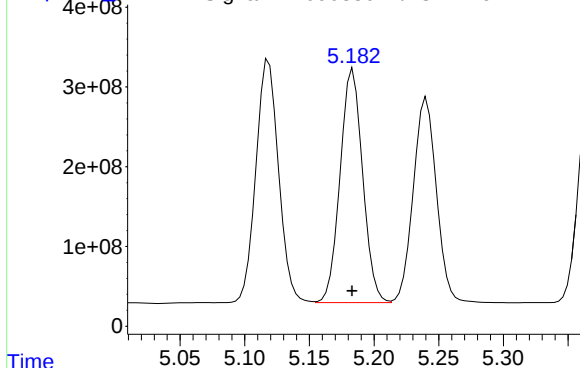
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#11 alpha-Chlordane



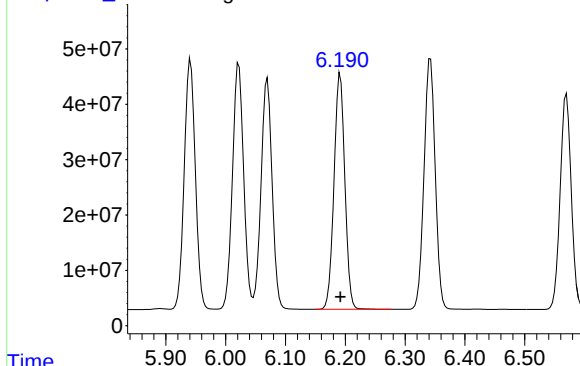
R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 3549655328
Conc: 98.65 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#12 4,4'-DDE



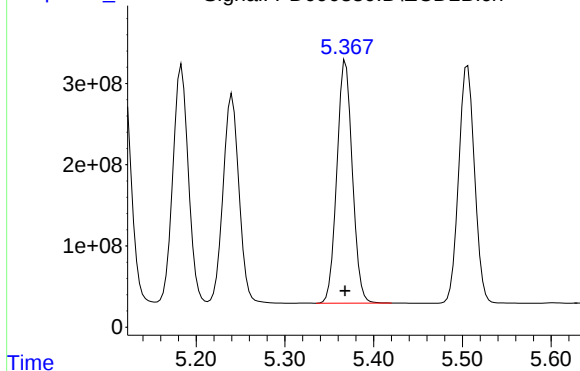
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 537414128
Conc: 104.79 ng/ml

Time

Response_

Signal: PD090330.D\ECD2B.ch

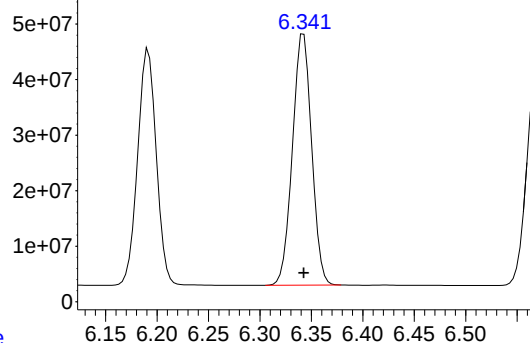
#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 3612419195
Conc: 98.47 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

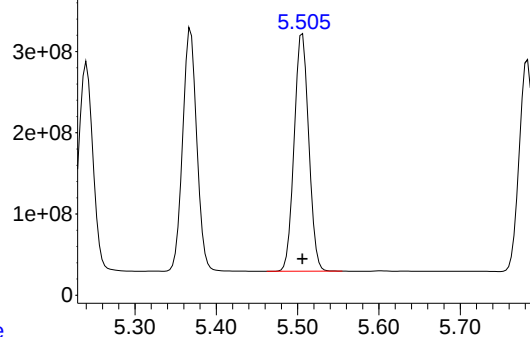


#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 587848394
Conc: 103.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

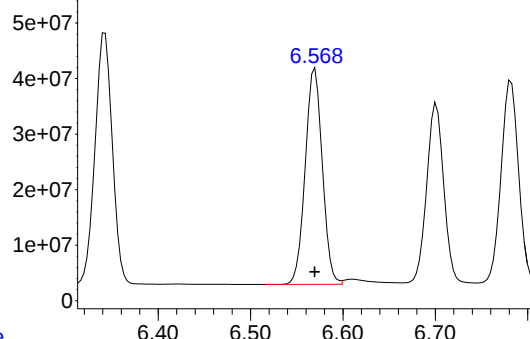
Time Response_ Signal: PD090330.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 3629120609
Conc: 97.14 ng/ml

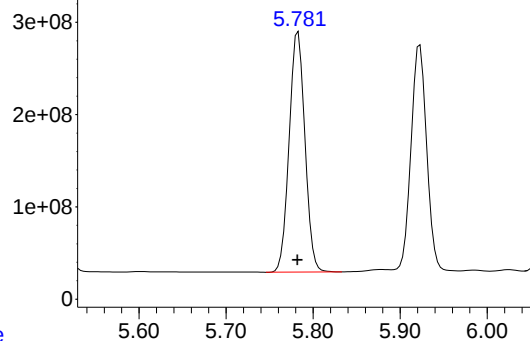
Time Response_ Signal: PD090330.D\ECD1A.ch



#14 Endrin

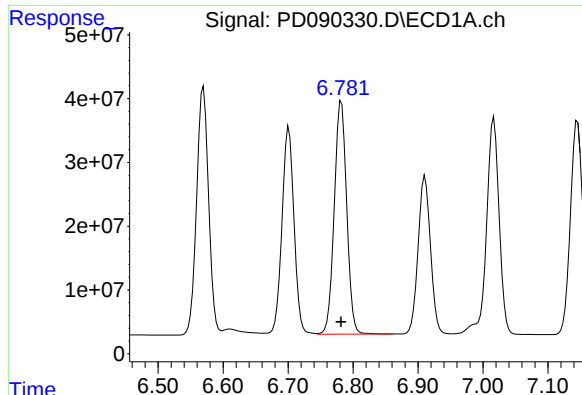
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 499607755
Conc: 104.28 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



#14 Endrin

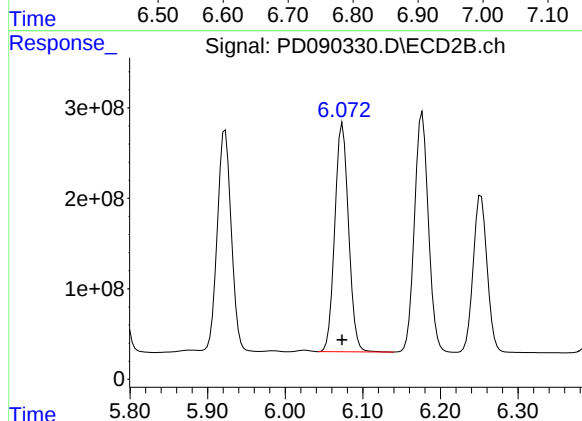
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 3276462498
Conc: 96.31 ng/ml



#15 Endosulfan II

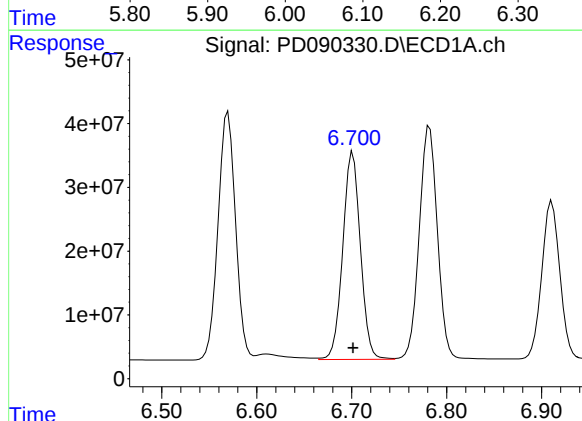
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 486380986
Conc: 102.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



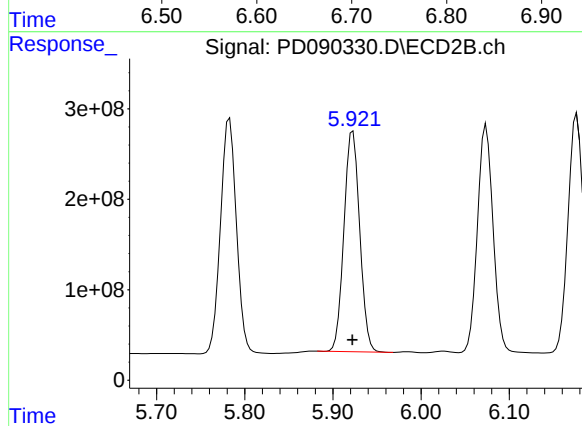
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 3116180321
Conc: 96.53 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 420714006
Conc: 104.81 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 3030486626
Conc: 97.73 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 457432864
Conc: 104.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.001 min
Response: 3309989081
Conc: 99.55 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 327817162
Conc: 99.08 ng/ml

Time

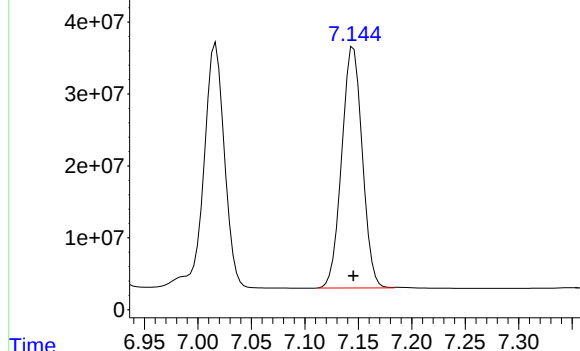
Response_ Signal: PD090330.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 2165337183
Conc: 95.54 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

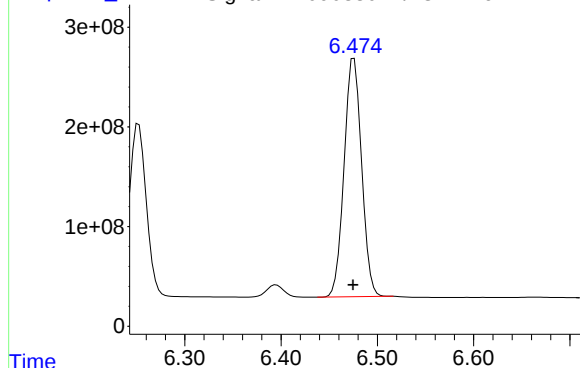


#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 448812546
Conc: 100.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

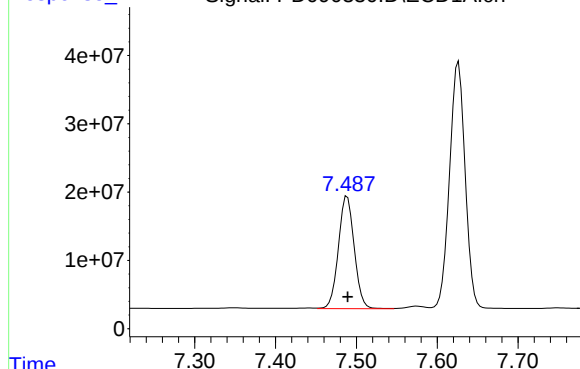
Time Response_ Signal: PD090330.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 3012520782
Conc: 96.78 ng/ml

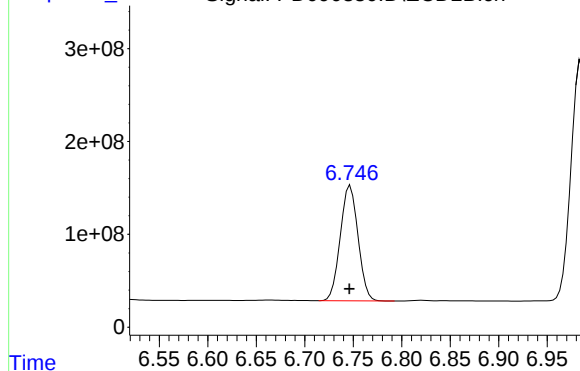
Time Response_ Signal: PD090330.D\ECD1A.ch



#20 Methoxychlor

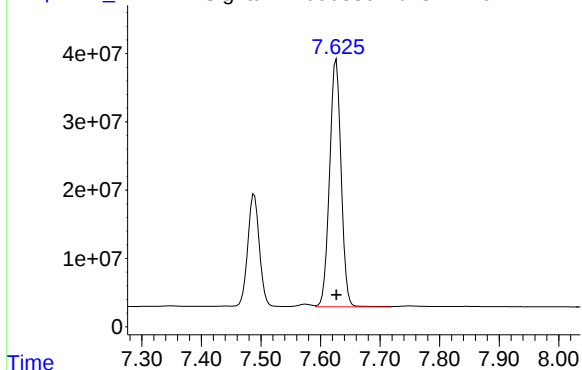
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 223838930
Conc: 99.33 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 1580560582
Conc: 95.36 ng/ml



R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 489092682
Conc: 102.01 ng/ml

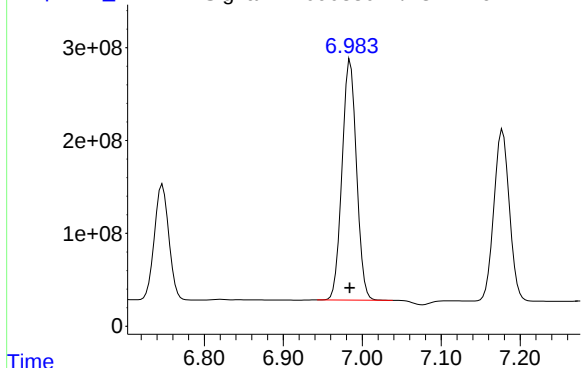
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090330.D\ECD2B.ch

#21 Endrin ketone



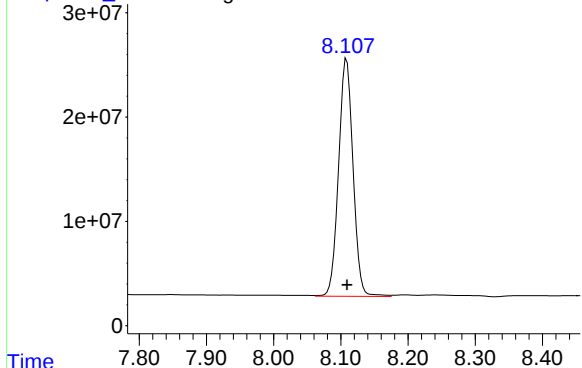
R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 3302608203
Conc: 96.13 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#22 Mirex



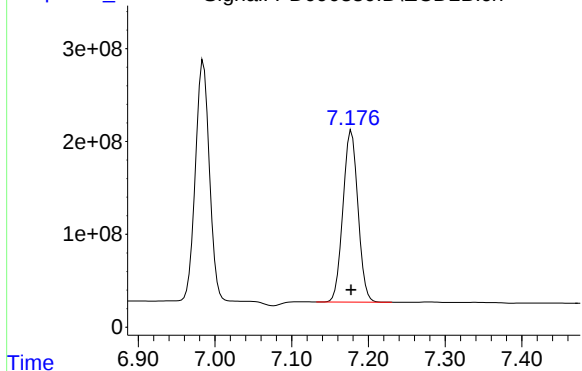
R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 339141918
Conc: 97.22 ng/ml

Time

Response_

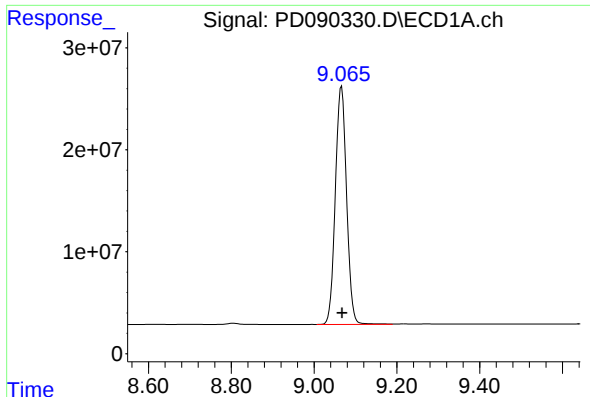
Signal: PD090330.D\ECD2B.ch

#22 Mirex



R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 2515886609
Conc: 97.04 ng/ml

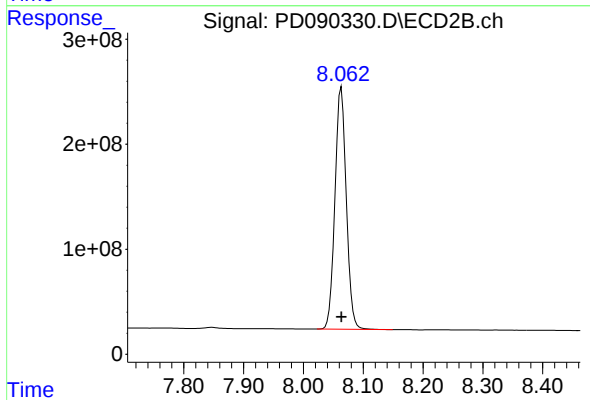
Time



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 440225529
Conc: 96.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 3041628295
Conc: 100.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	234.8E6	1939.2E6	75.498	74.556
28)	SA Decachlor...	9.067	8.063	336.9E6	2271.1E6	73.732	74.934
Target Compounds							
2)	A alpha-BHC	3.996	3.387	548.9E6	3157.8E6	79.212	75.406
3)	MA gamma-BHC...	4.326	3.724	512.6E6	2926.6E6	78.573	75.246
4)	MA Heptachlor	4.925	4.076	503.5E6	2889.7E6	77.620	74.309
5)	MB Aldrin	5.266	4.362	483.4E6	2851.1E6	77.547	74.494
6)	B beta-BHC	4.513	4.020	186.2E6	1219.9E6	75.559	74.151
7)	B delta-BHC	4.761	4.256	505.8E6	2968.1E6	78.572	74.906
8)	B Heptachlo...	5.686	4.866	422.8E6	2560.1E6	76.582	73.394
9)	A Endosulfan I	6.070	5.240	399.8E6	2430.6E6	76.189	73.473
10)	B gamma-Chl...	5.941	5.119	431.4E6	2800.3E6	77.251	74.610
11)	B alpha-Chl...	6.023	5.183	429.3E6	2674.9E6	76.606	74.337
12)	B 4,4'-DDE	6.191	5.368	396.6E6	2720.4E6	77.320	74.153
13)	MA Dieldrin	6.343	5.505	436.0E6	2754.3E6	77.057	73.724
14)	MA Endrin	6.570	5.782	369.7E6	2504.8E6	77.174	73.626
15)	B Endosulfa...	6.782	6.073	360.7E6	2368.6E6	75.662	73.368
16)	A 4,4'-DDD	6.701	5.922	309.8E6	2301.9E6	77.178	74.234
17)	MA 4,4'-DDT	7.017	6.176	339.3E6	2482.7E6	77.587	74.665
18)	B Endrin al...	6.911	6.252	249.1E6	1656.9E6	75.274	73.112
19)	B Endosulfa...	7.146	6.475	337.9E6	2291.5E6	75.907	73.614
20)	A Methoxychlor	7.490	6.746	169.8E6	1211.4E6	75.345	73.089
21)	B Endrin ke...	7.626	6.984	367.3E6	2512.0E6	76.614	73.116
22)	Mirex	8.109	7.177	259.4E6	1905.4E6	74.356	73.496

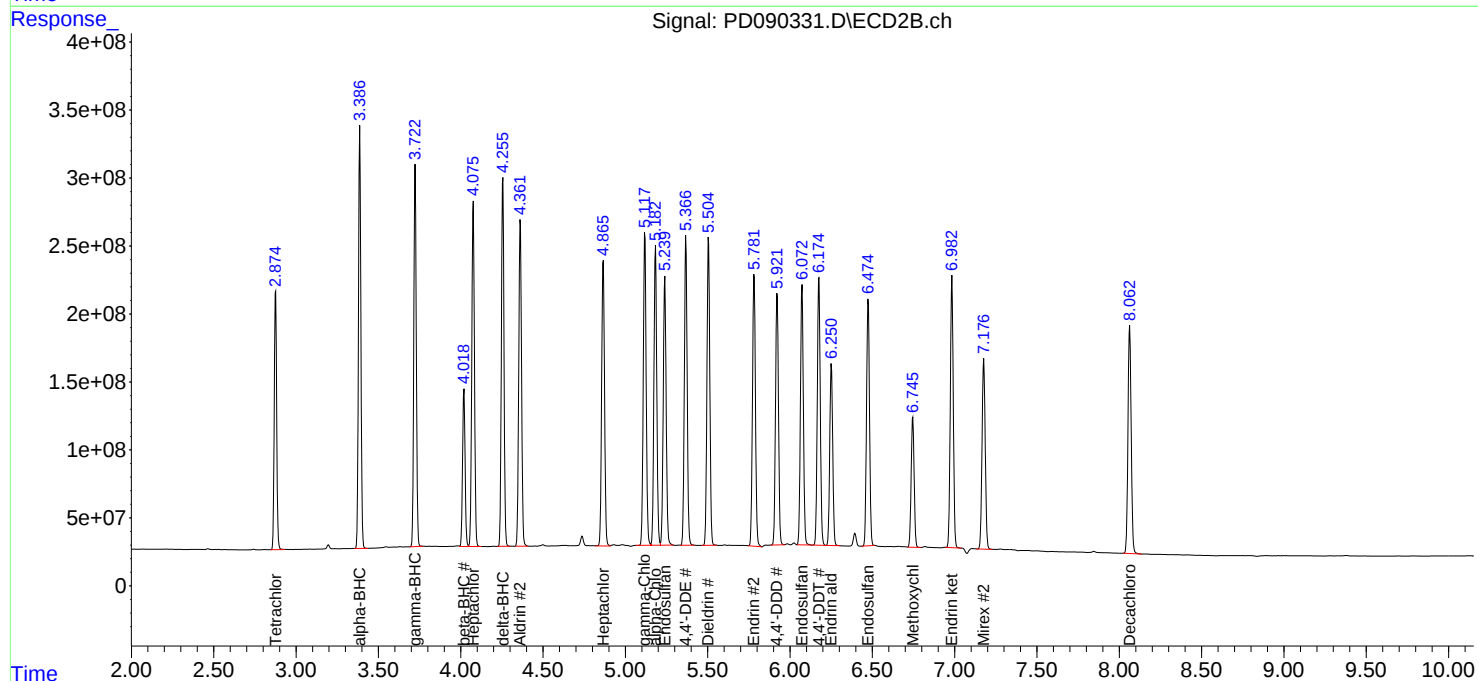
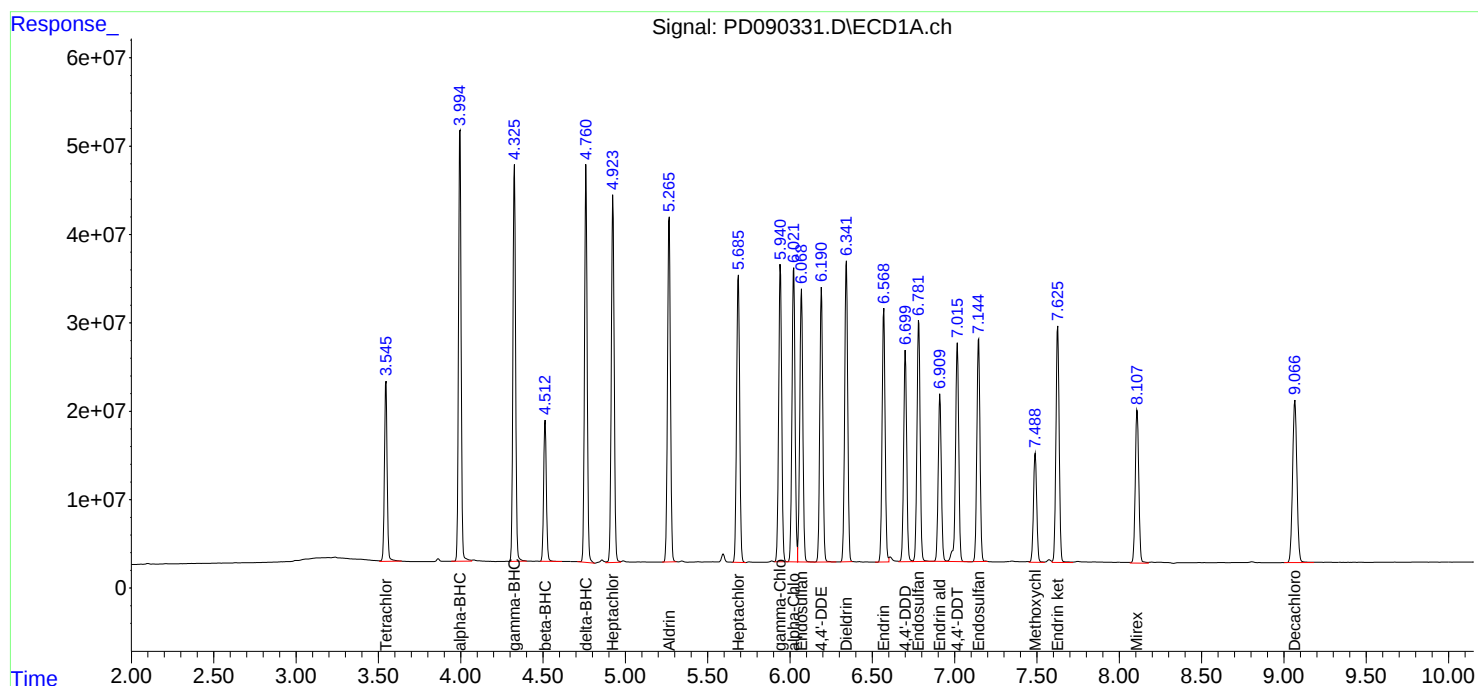
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

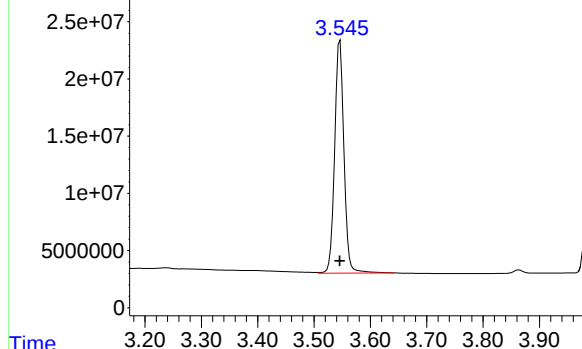


Response_ Signal: PD090331.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 234796720
Conc: 75.50 ng/ml

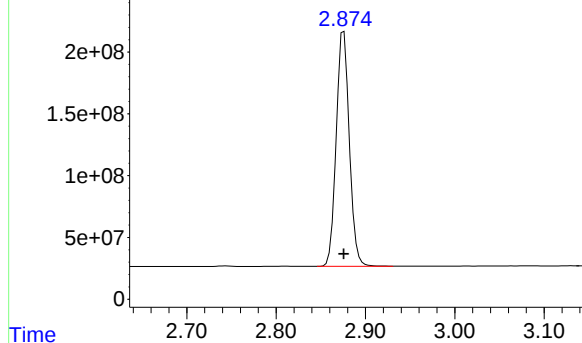
Instrument :
ECD_D
ClientSampleId :
PSTDICC075



Time Response_ Signal: PD090331.D\ECD2B.ch

#1 Tetrachloro-m-xylene

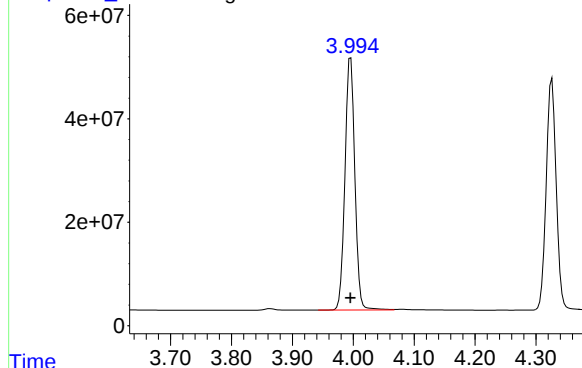
R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1939202954
Conc: 74.56 ng/ml



Time Response_ Signal: PD090331.D\ECD1A.ch

#2 alpha-BHC

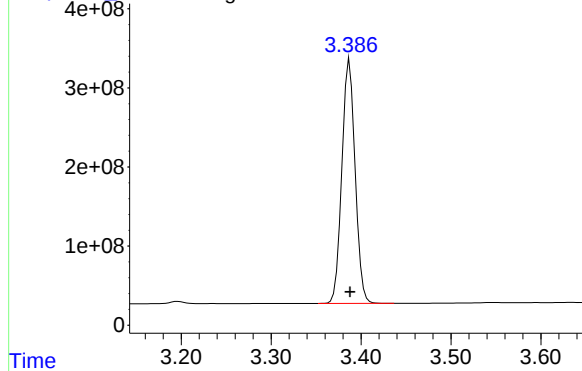
R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 548890342
Conc: 79.21 ng/ml



Time Response_ Signal: PD090331.D\ECD2B.ch

#2 alpha-BHC

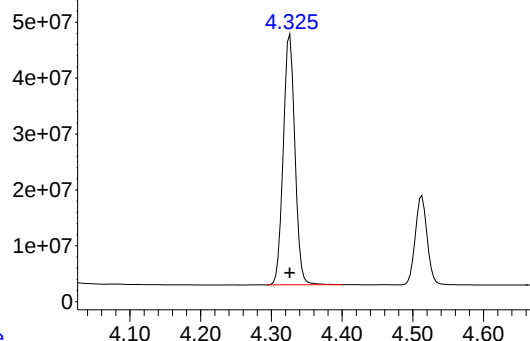
R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 3157759187
Conc: 75.41 ng/ml



Response_

Signal: PD090331.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 512634592
Conc: 78.57 ng/ml

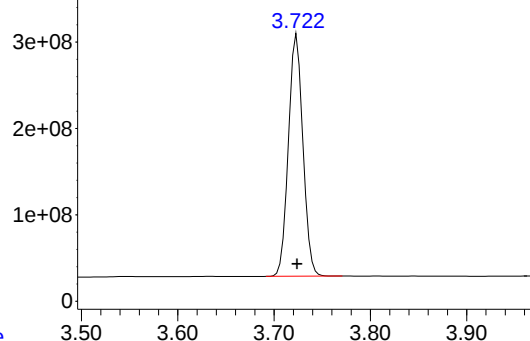
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#3 gamma-BHC (Lindane)



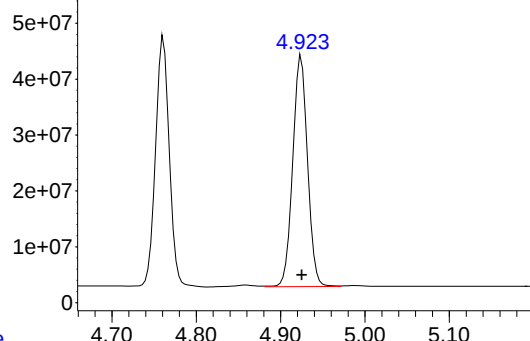
R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 2926551436
Conc: 75.25 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#4 Heptachlor



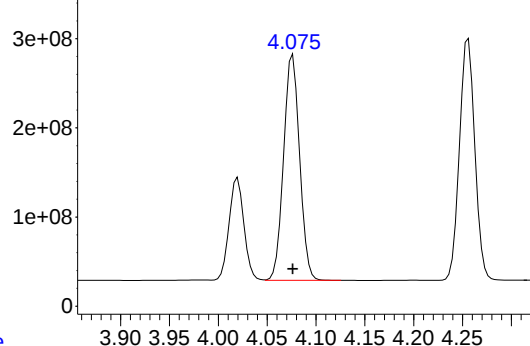
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 503459808
Conc: 77.62 ng/ml

Time

Response_

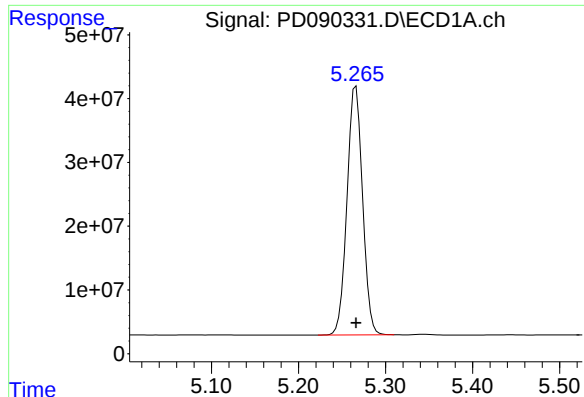
Signal: PD090331.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 2889661494
Conc: 74.31 ng/ml

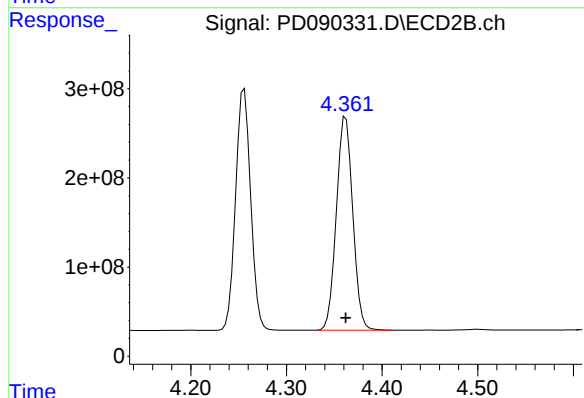
Time



#5 Aldrin

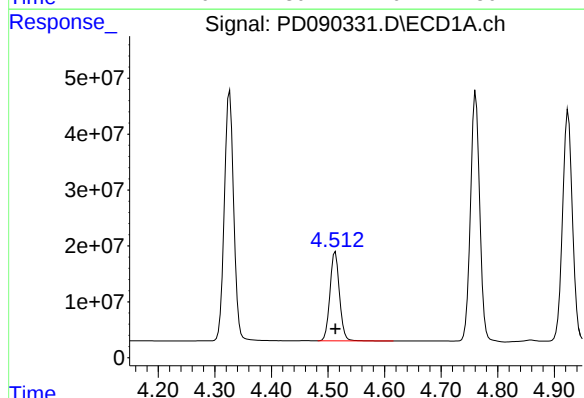
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 483420136
Conc: 77.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



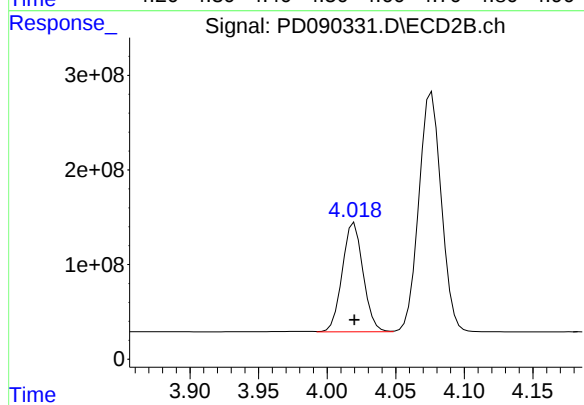
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 2851068871
Conc: 74.49 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 186187867
Conc: 75.56 ng/ml



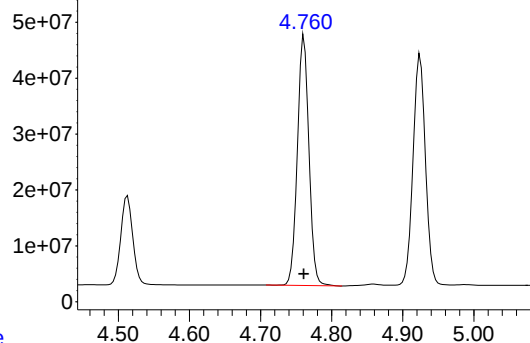
#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1219859216
Conc: 74.15 ng/ml

Response_

Signal: PD090331.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 505751873
Conc: 78.57 ng/ml

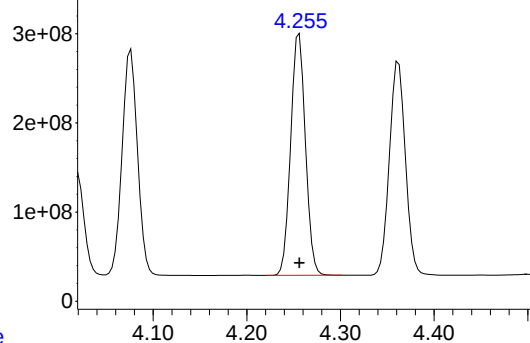
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#7 delta-BHC



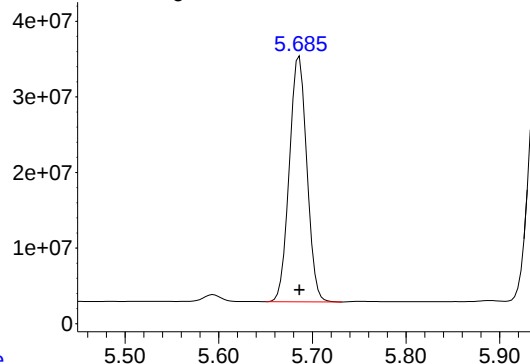
R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2968147130
Conc: 74.91 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#8 Heptachlor epoxide



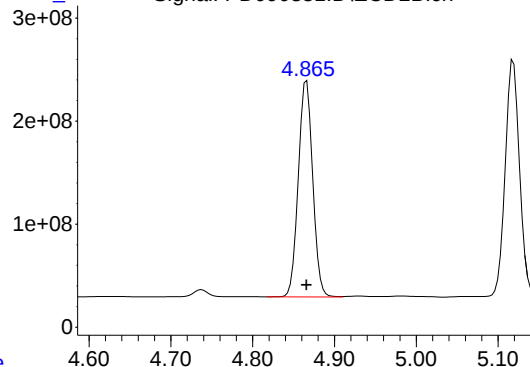
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 422786425
Conc: 76.58 ng/ml

Time

Response_

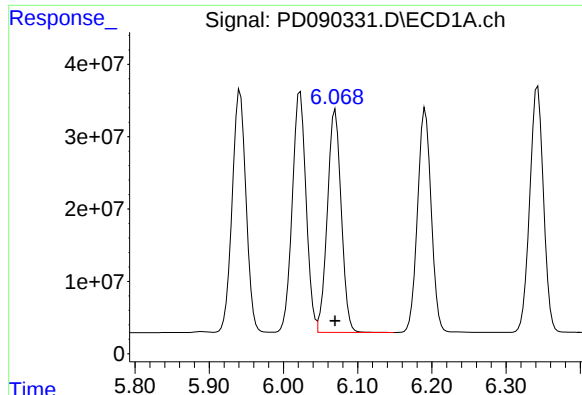
Signal: PD090331.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 2560129933
Conc: 73.39 ng/ml

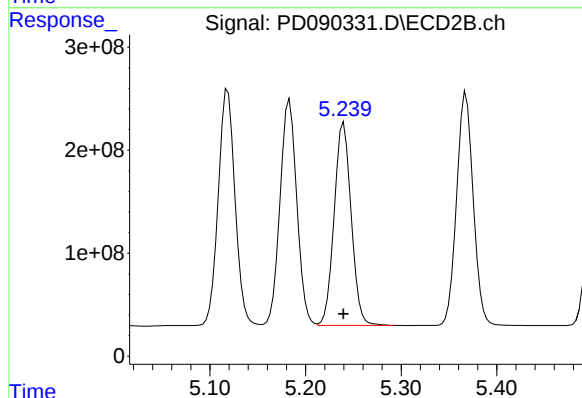
Time



#9 Endosulfan I

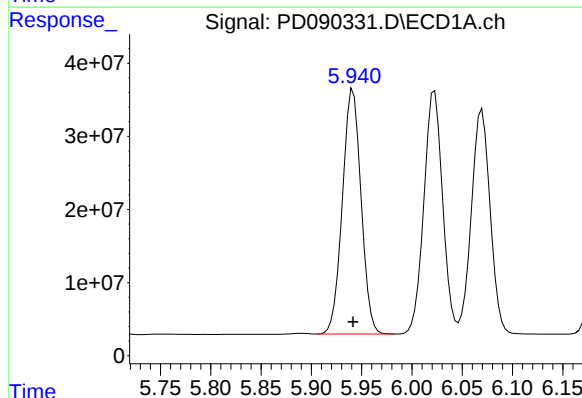
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 399761598
Conc: 76.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



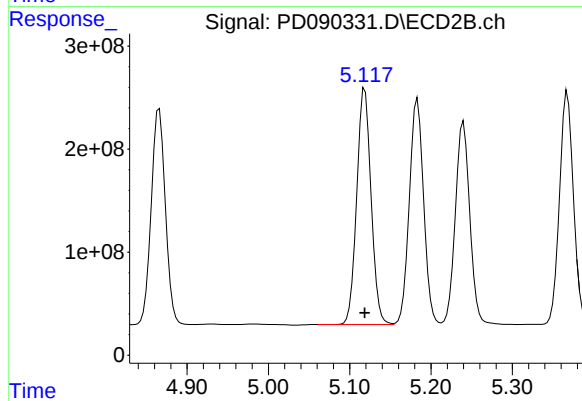
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 2430625449
Conc: 73.47 ng/ml



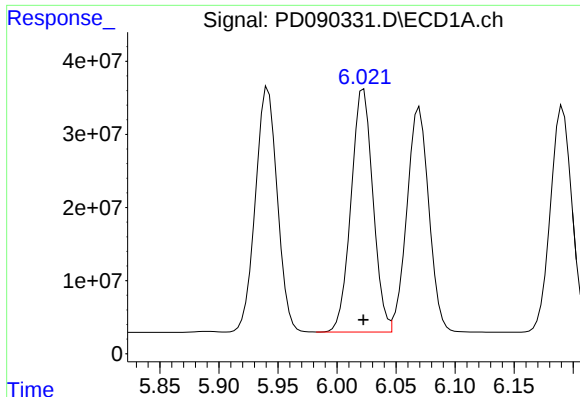
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 431438604
Conc: 77.25 ng/ml



#10 gamma-Chlordane

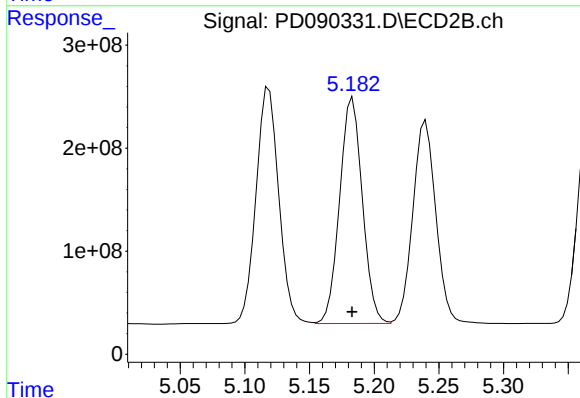
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 2800318420
Conc: 74.61 ng/ml



#11 alpha-Chlordane

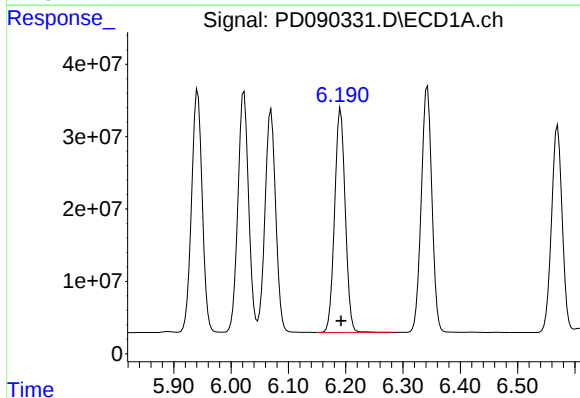
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 429339633
Conc: 76.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



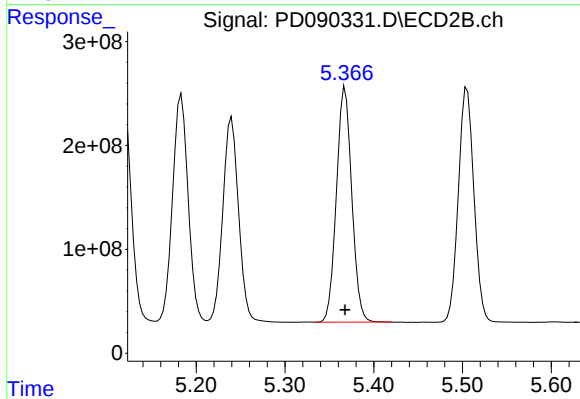
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 2674927820
Conc: 74.34 ng/ml



#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 396552455
Conc: 77.32 ng/ml



#12 4,4'-DDE

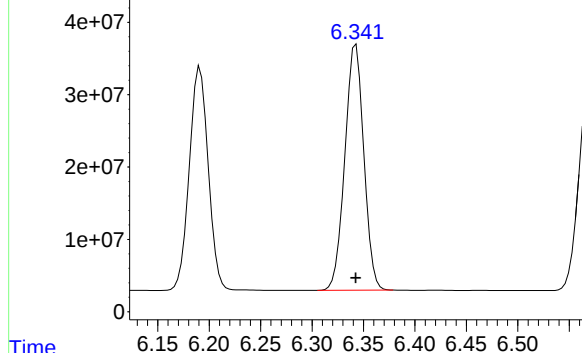
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2720410597
Conc: 74.15 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 436041519
Conc: 77.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

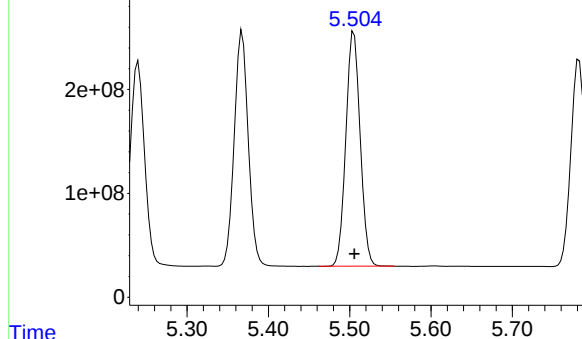


Time

Response_ Signal: PD090331.D\ECD2B.ch

#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 2754253778
Conc: 73.72 ng/ml

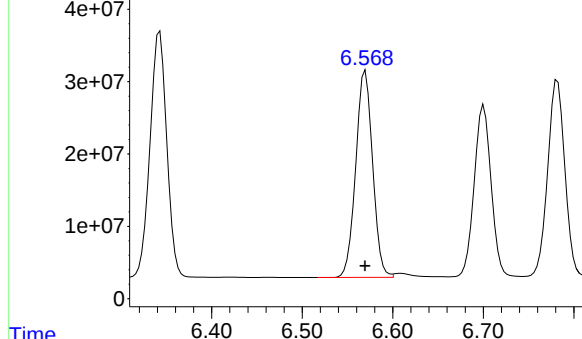


Time

Response_ Signal: PD090331.D\ECD1A.ch

#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 369723579
Conc: 77.17 ng/ml

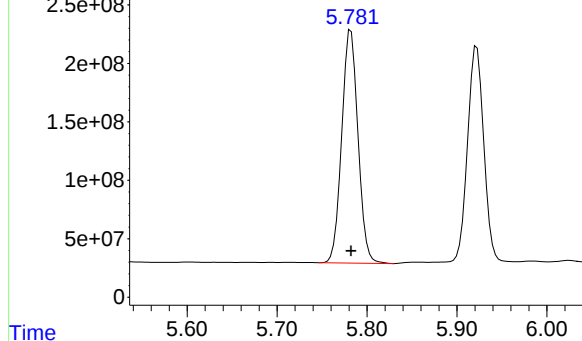


Time

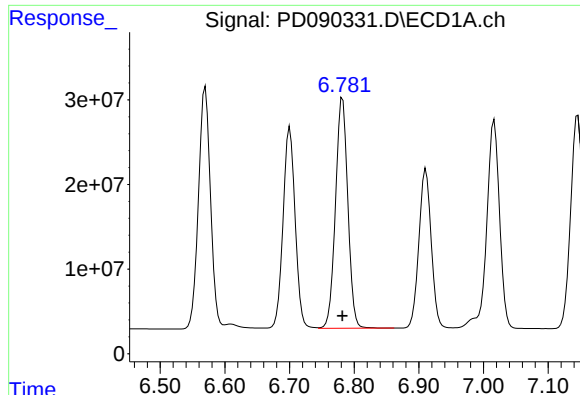
Response_ Signal: PD090331.D\ECD2B.ch

#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 2504836912
Conc: 73.63 ng/ml



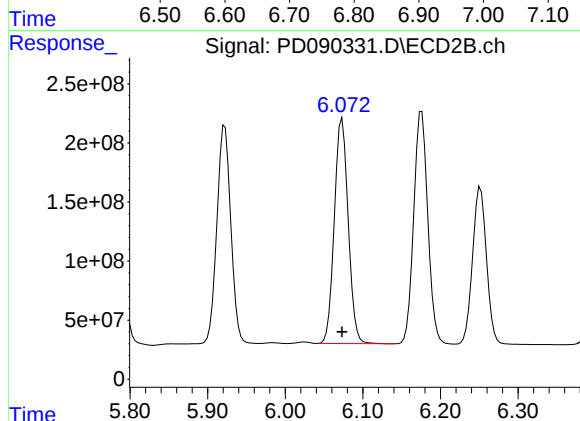
Time



#15 Endosulfan II

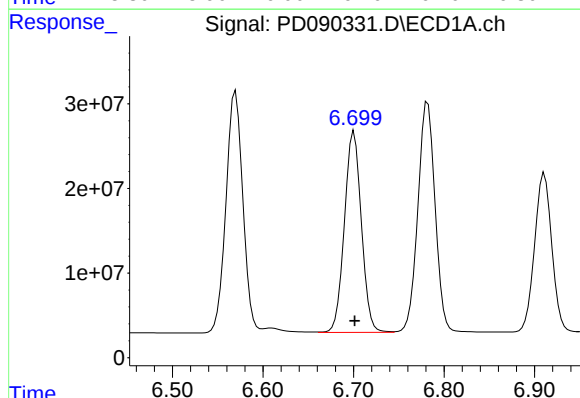
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 360741782
Conc: 75.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



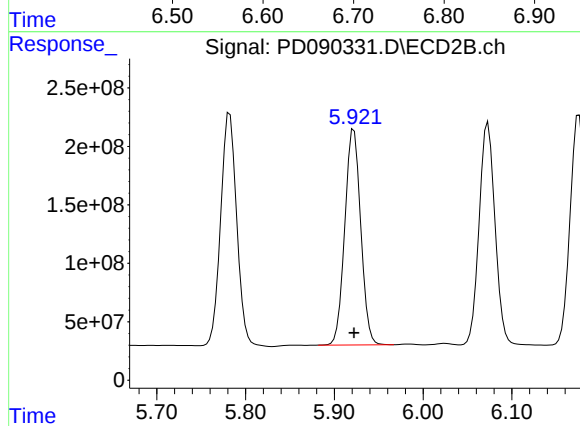
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 2368556331
Conc: 73.37 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 309793667
Conc: 77.18 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 2301936261
Conc: 74.23 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 339271857
Conc: 77.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_ Signal: PD090331.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2482678795
Conc: 74.66 ng/ml

Time

Response_ Signal: PD090331.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 249056297
Conc: 75.27 ng/ml

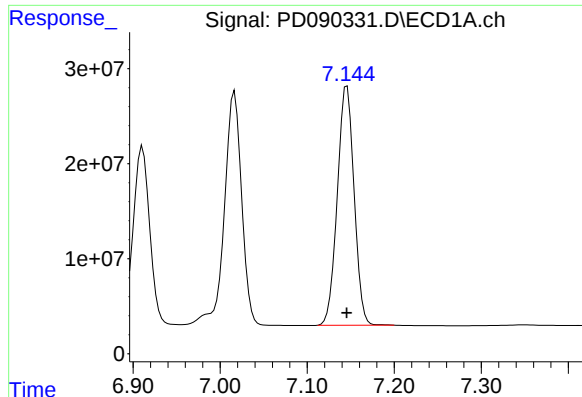
Time

Response_ Signal: PD090331.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1656945668
Conc: 73.11 ng/ml

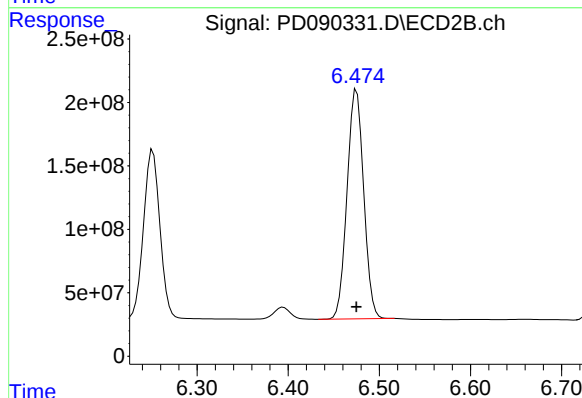
Time



#19 Endosulfan Sulfate

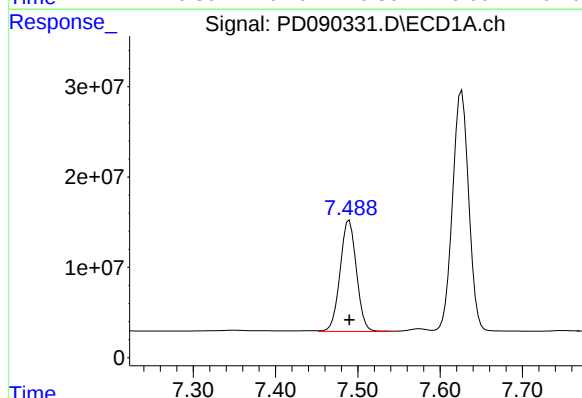
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 337866297
Conc: 75.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



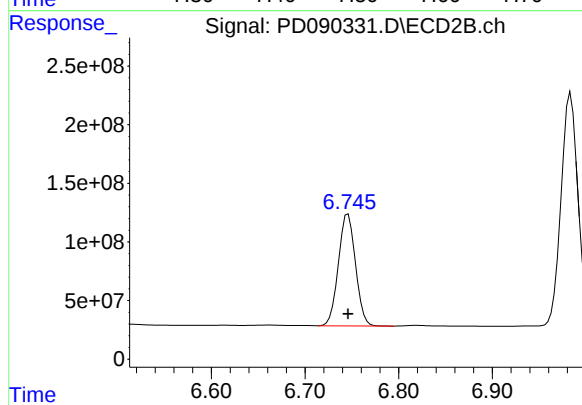
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 2291523819
Conc: 73.61 ng/ml



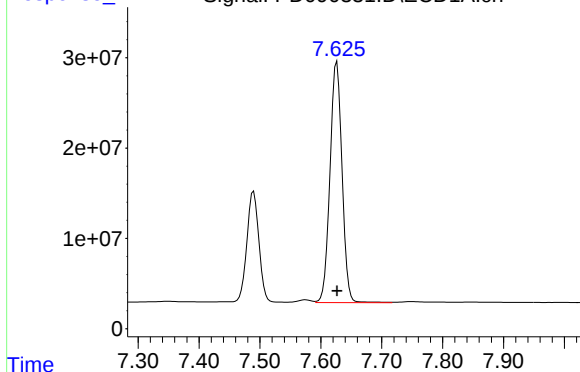
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 169784237
Conc: 75.34 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1211440262
Conc: 73.09 ng/ml



R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 367322353
Conc: 76.61 ng/ml

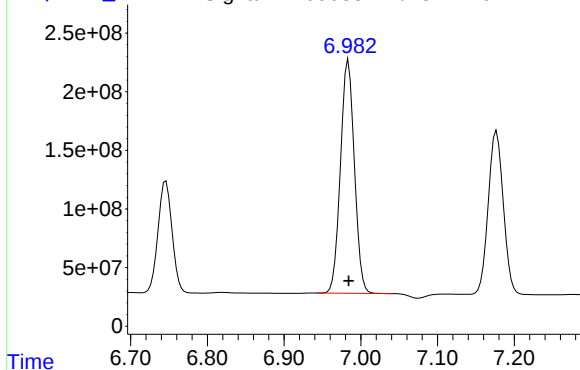
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#21 Endrin ketone



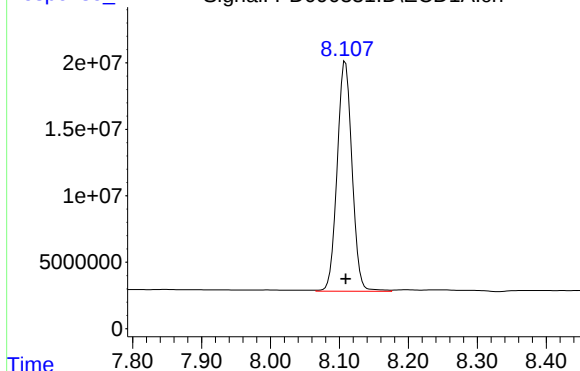
R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 2512027163
Conc: 73.12 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#22 Mirex



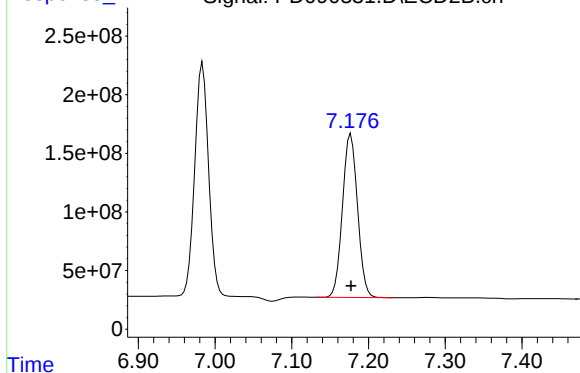
R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 259377910
Conc: 74.36 ng/ml

Time

Response_

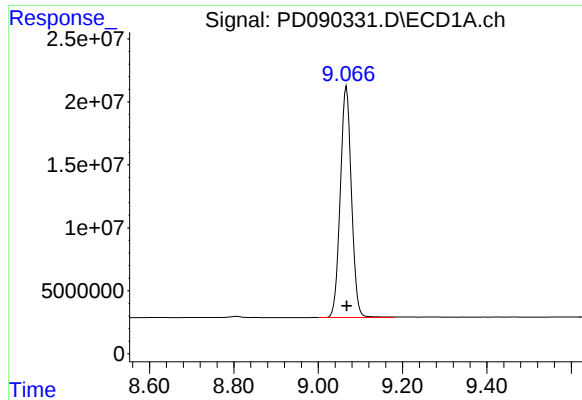
Signal: PD090331.D\ECD2B.ch

#22 Mirex



R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1905389535
Conc: 73.50 ng/ml

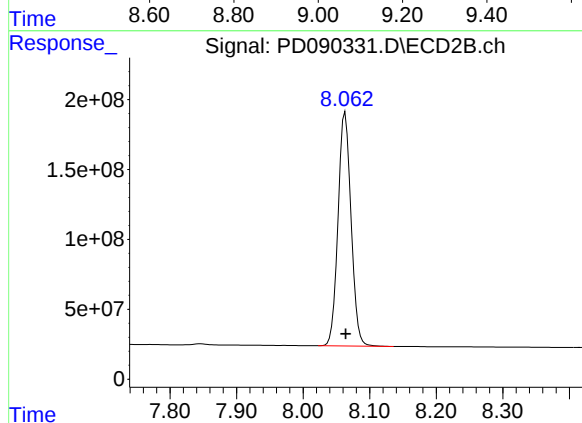
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 336873691
Conc: 73.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 2271124740
Conc: 74.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.876	155.5E6	1300.5E6	50.000	50.000
28) SA Decachlor...	9.068	8.064	228.4E6	1515.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.995	3.388	346.5E6	2093.9E6	50.000	50.000
3) MA gamma-BHC...	4.326	3.724	326.2E6	1944.7E6	50.000	50.000
4) MA Heptachlor	4.925	4.076	324.3E6	1944.4E6	50.000	50.000
5) MB Aldrin	5.266	4.362	311.7E6	1913.6E6	50.000	50.000
6) B beta-BHC	4.513	4.020	123.2E6	822.5E6	50.000	50.000
7) B delta-BHC	4.761	4.256	321.8E6	1981.3E6	50.000	50.000
8) B Heptachlo...	5.686	4.866	276.0E6	1744.1E6	50.000	50.000
9) A Endosulfan I	6.070	5.240	262.3E6	1654.1E6	50.000	50.000
10) B gamma-Chl...	5.942	5.118	279.2E6	1876.6E6	50.000	50.000
11) B alpha-Chl...	6.022	5.183	280.2E6	1799.2E6	50.000	50.000
12) B 4,4'-DDE	6.192	5.368	256.4E6	1834.3E6	50.000	50.000
13) MA Dieldrin	6.343	5.506	282.9E6	1867.9E6	50.000	50.000
14) MA Endrin	6.569	5.782	239.5E6	1701.1E6	50.000	50.000
15) B Endosulfa...	6.782	6.073	238.4E6	1614.2E6	50.000	50.000
16) A 4,4'-DDD	6.701	5.922	200.7E6	1550.5E6	50.000	50.000
17) MA 4,4'-DDT	7.017	6.176	218.6E6	1662.5E6	50.000	50.000
18) B Endrin al...	6.911	6.252	165.4E6	1133.2E6	50.000	50.000
19) B Endosulfa...	7.146	6.475	222.6E6	1556.4E6	50.000	50.000
20) A Methoxychlor	7.490	6.746	112.7E6	828.7E6	50.000	50.000
21) B Endrin ke...	7.627	6.984	239.7E6	1717.8E6	50.000	50.000
22) Mirex	8.109	7.177	174.4E6	1296.3E6	50.000	50.000

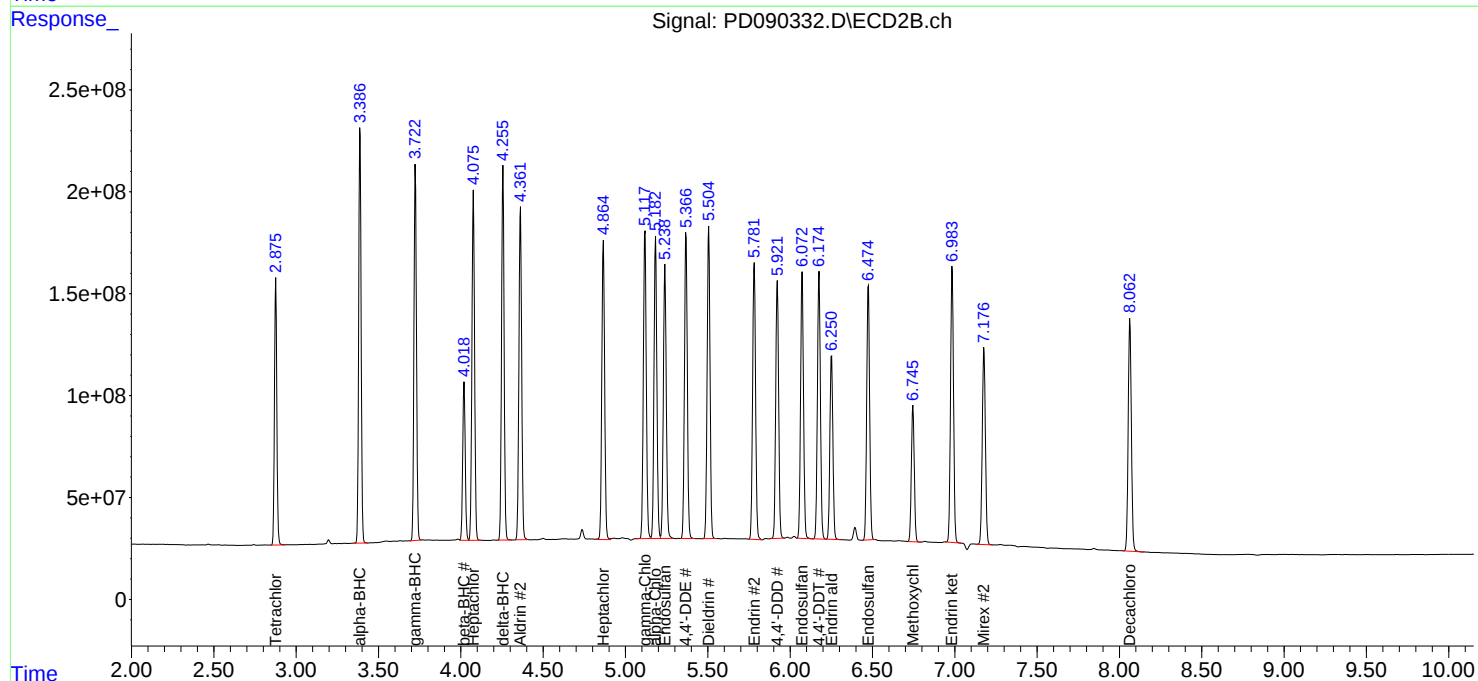
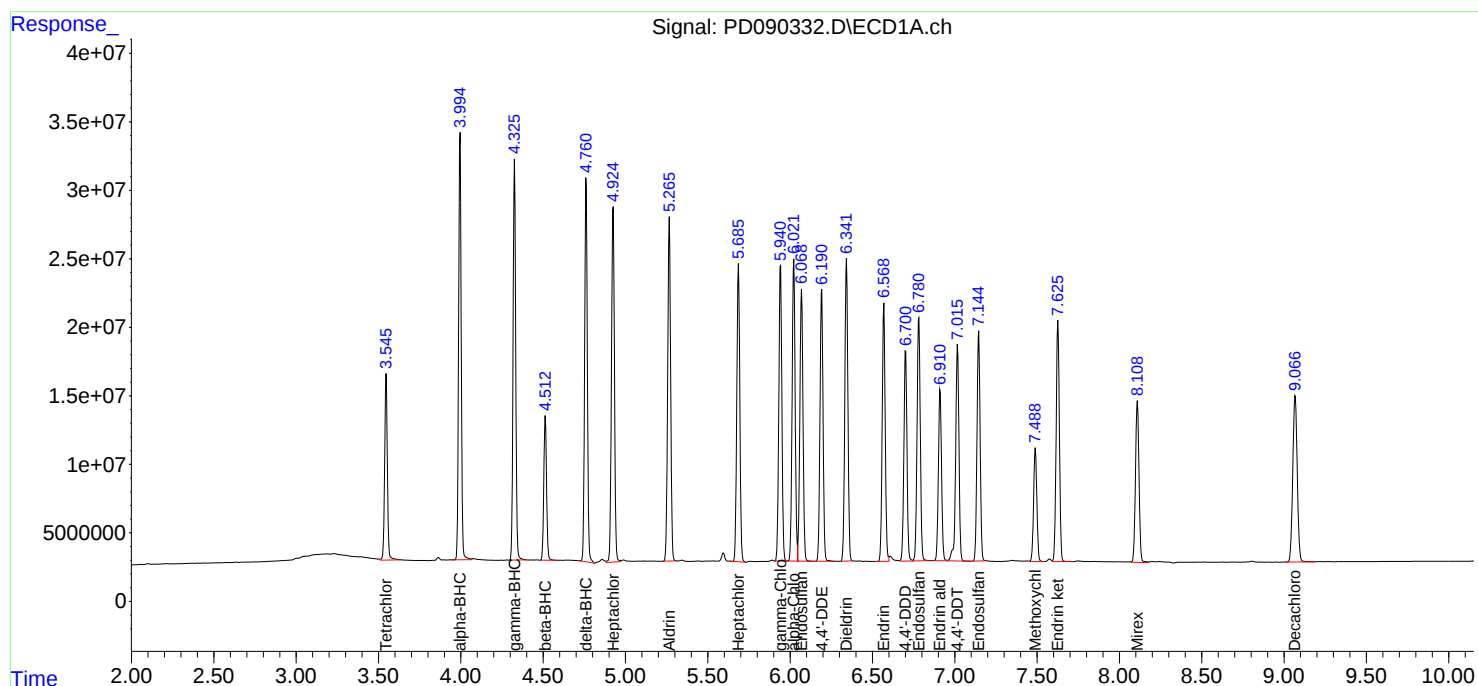
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

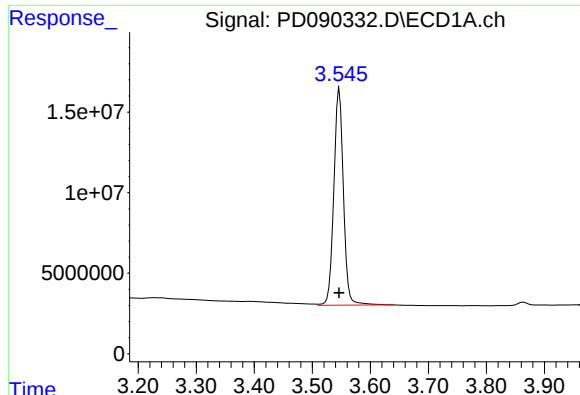
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

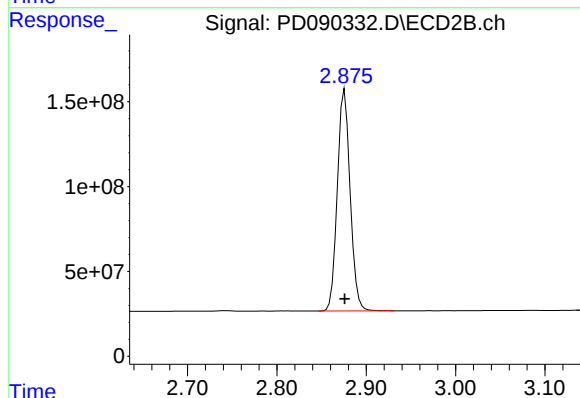




#1 Tetrachloro-m-xylene

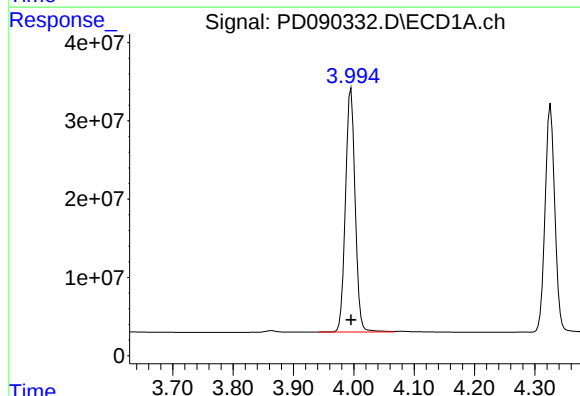
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 155497674
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



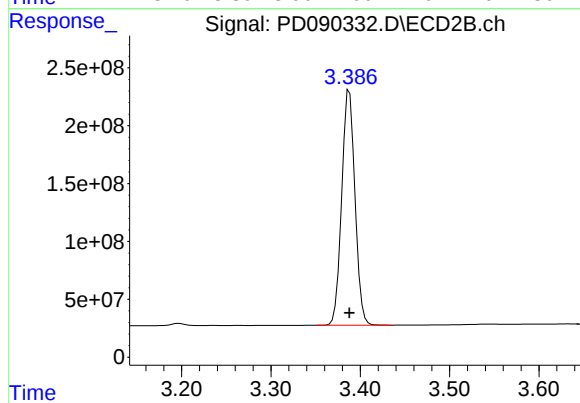
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1300504550
Conc: 50.00 ng/ml



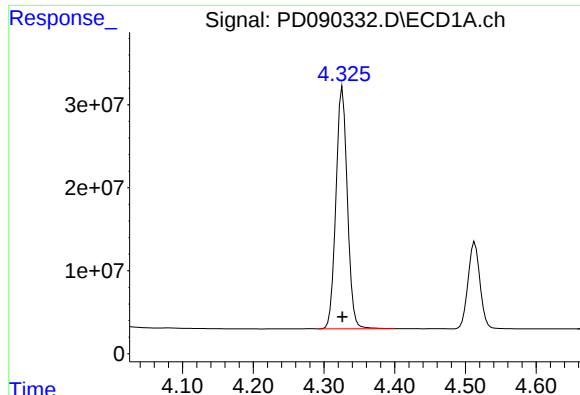
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 346470849
Conc: 50.00 ng/ml



#2 alpha-BHC

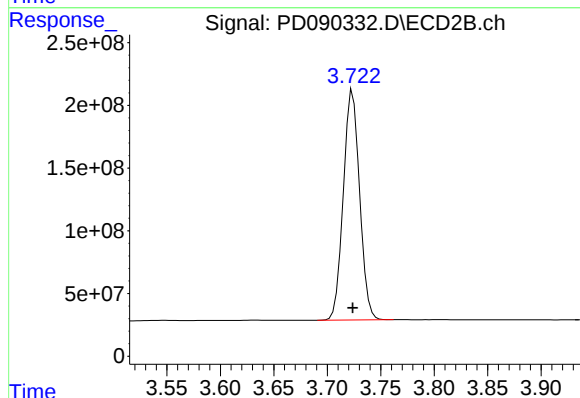
R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2093851930
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

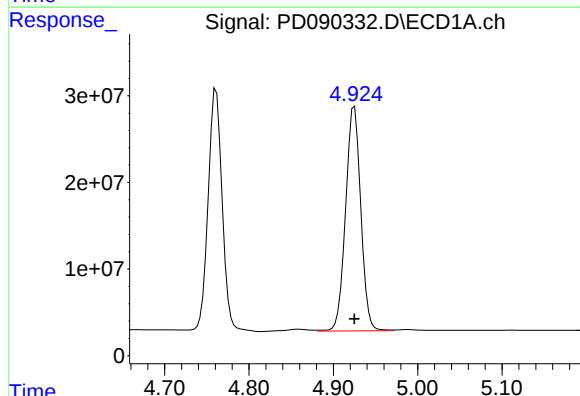
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 326216936
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



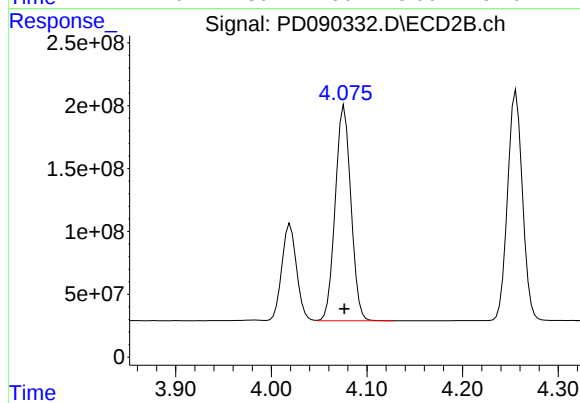
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1944657496
Conc: 50.00 ng/ml



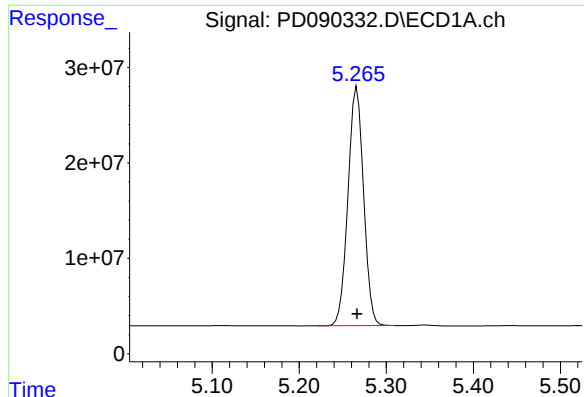
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 324309907
Conc: 50.00 ng/ml



#4 Heptachlor

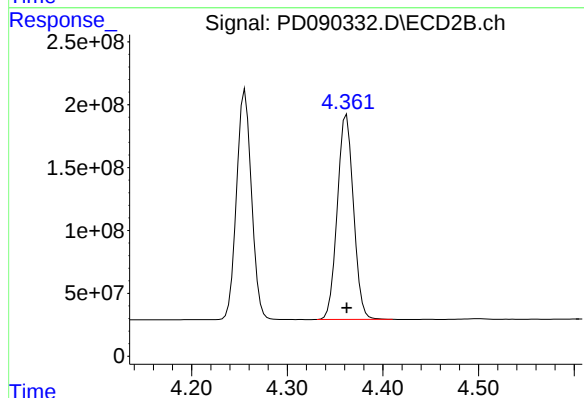
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1944351724
Conc: 50.00 ng/ml



#5 Aldrin

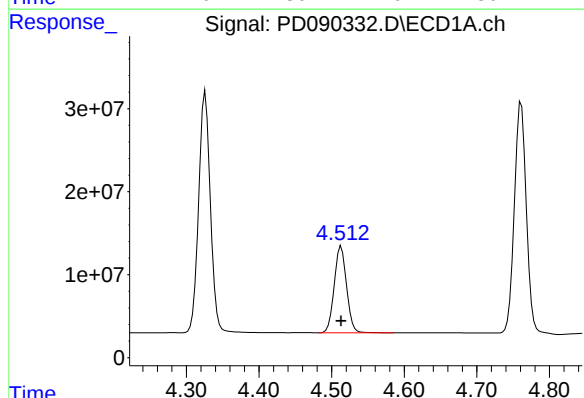
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 311695380
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



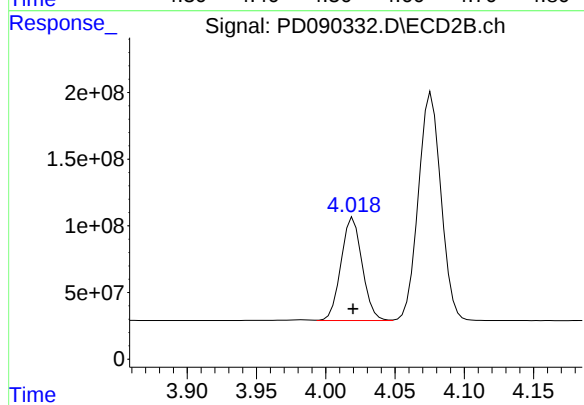
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1913628189
Conc: 50.00 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 123206339
Conc: 50.00 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 822545301
Conc: 50.00 ng/ml

Response_ Signal: PD090332.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 321839919
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090332.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1981257525
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 276033789
Conc: 50.00 ng/ml

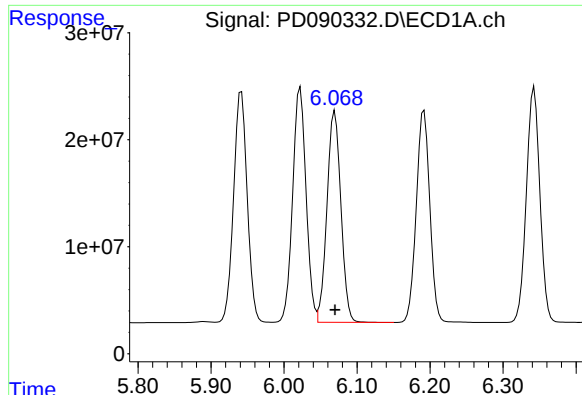
Time

Response_ Signal: PD090332.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1744104321
Conc: 50.00 ng/ml

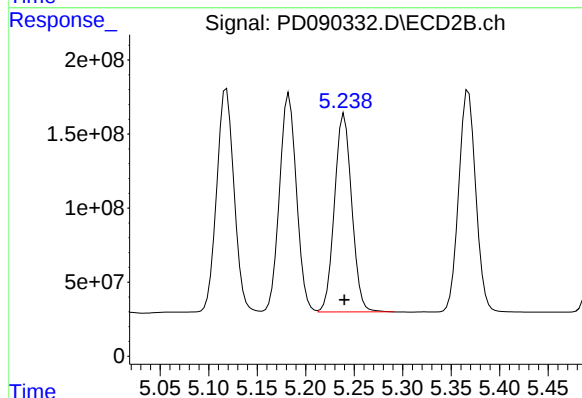
Time



#9 Endosulfan I

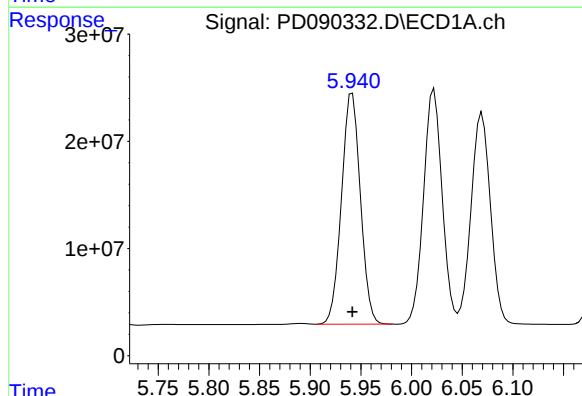
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 262349587
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



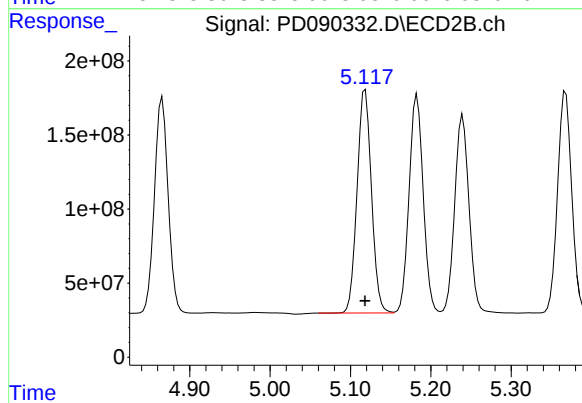
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1654086495
Conc: 50.00 ng/ml



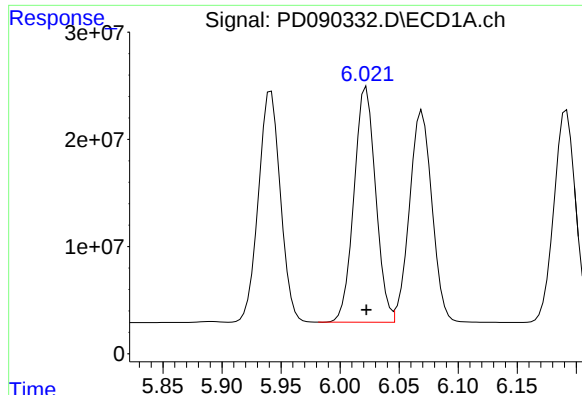
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 279245068
Conc: 50.00 ng/ml



#10 gamma-Chlordane

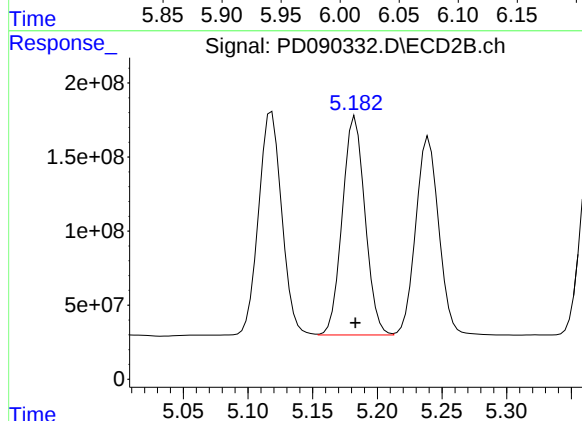
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1876649611
Conc: 50.00 ng/ml



#11 alpha-Chlordane

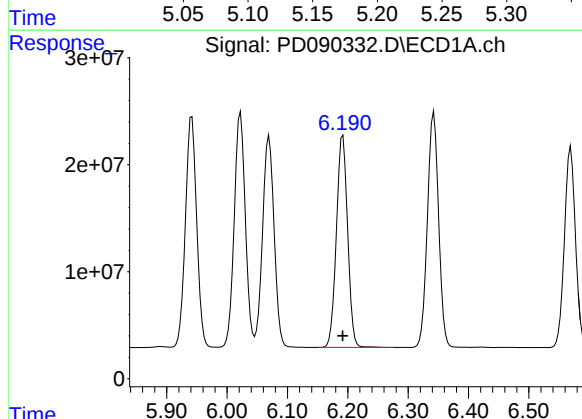
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 280226998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



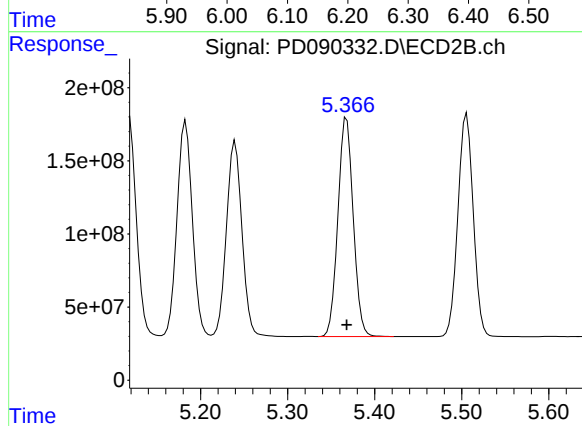
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1799180172
Conc: 50.00 ng/ml



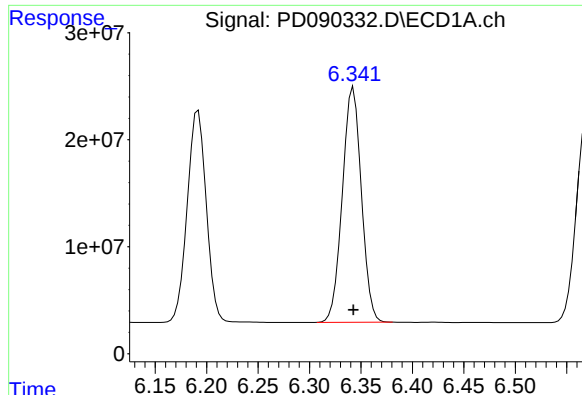
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 256436450
Conc: 50.00 ng/ml



#12 4,4'-DDE

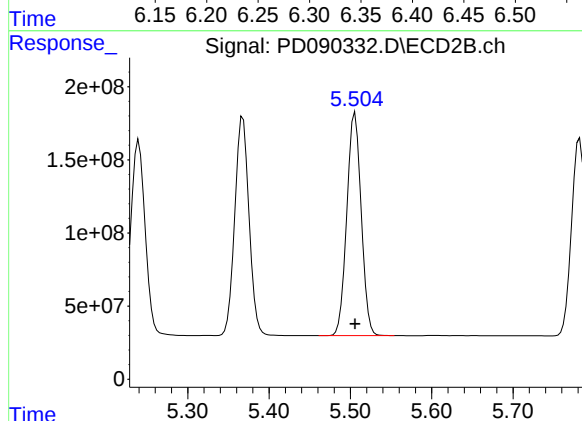
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1834310537
Conc: 50.00 ng/ml



#13 Dieldrin

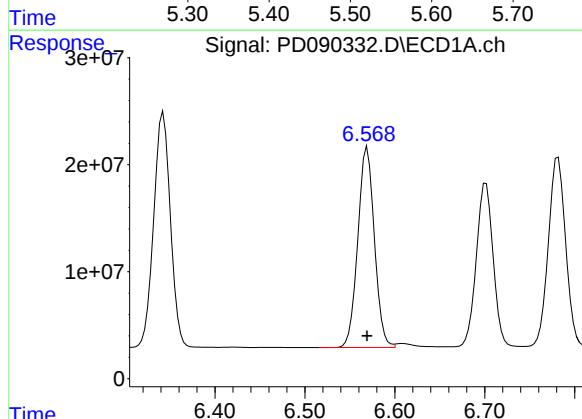
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 282932998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



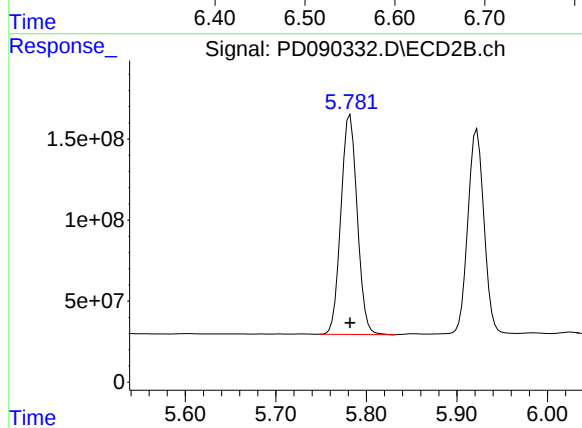
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1867939646
Conc: 50.00 ng/ml



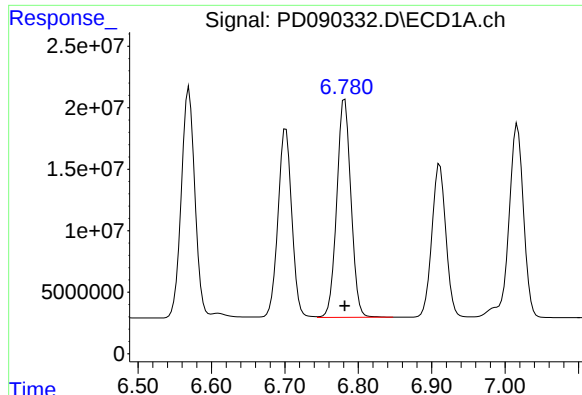
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 239539982
Conc: 50.00 ng/ml



#14 Endrin

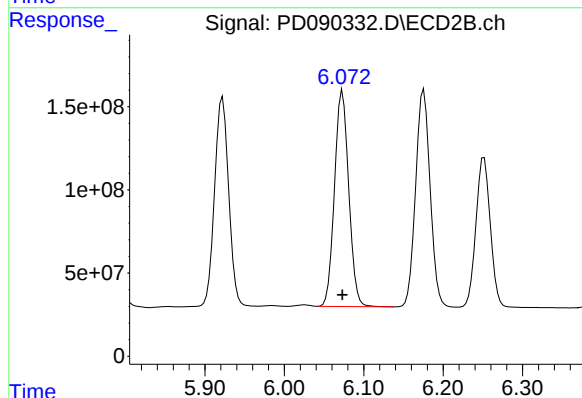
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1701062730
Conc: 50.00 ng/ml



#15 Endosulfan II

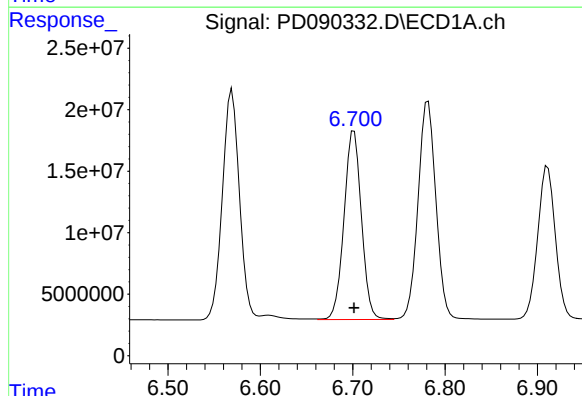
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 238391670
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



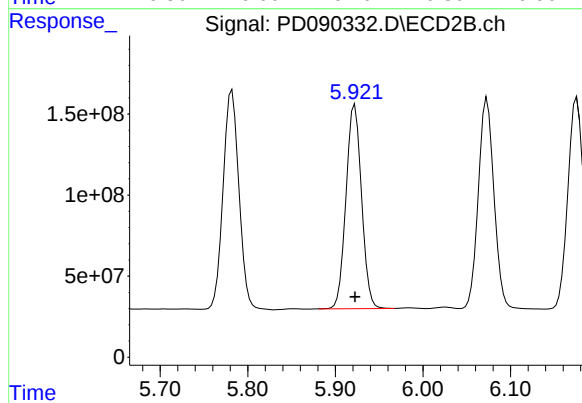
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1614156368
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 200700355
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1550459395
Conc: 50.00 ng/ml

Response_ Signal: PD090332.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 218639835
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090332.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1662549313
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 165432560
Conc: 50.00 ng/ml

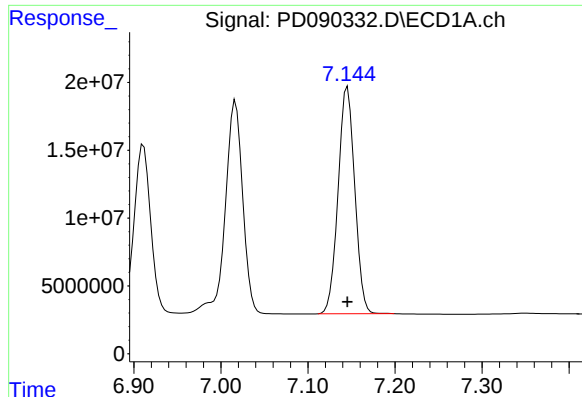
Time

Response_ Signal: PD090332.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1133152846
Conc: 50.00 ng/ml

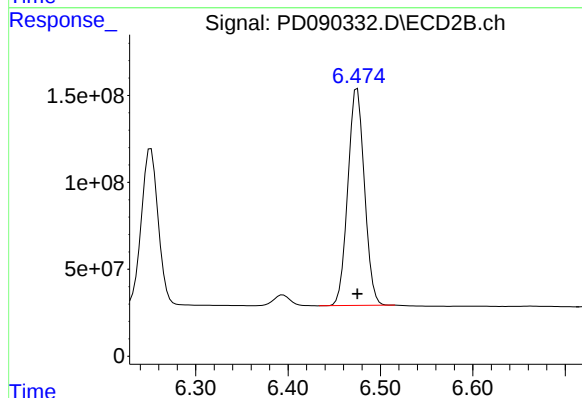
Time



#19 Endosulfan Sulfate

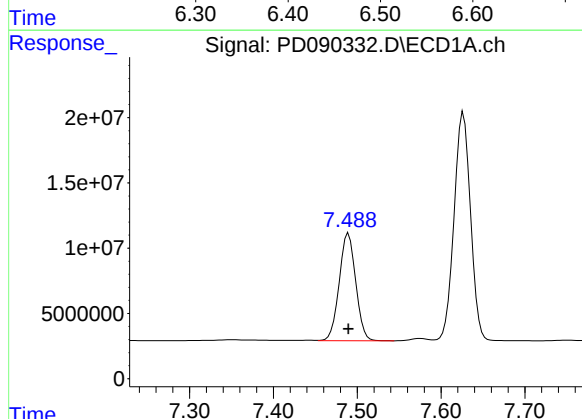
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 222552187
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



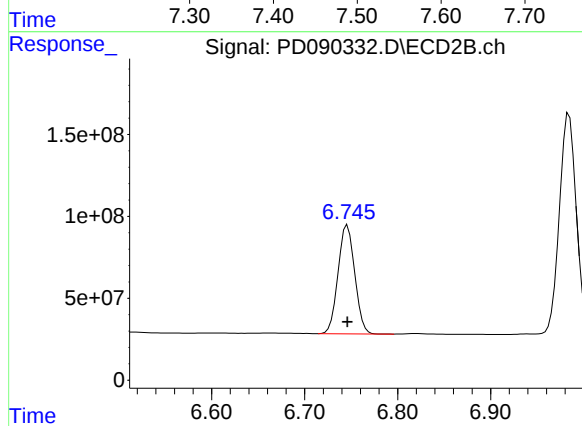
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 1556436935
Conc: 50.00 ng/ml



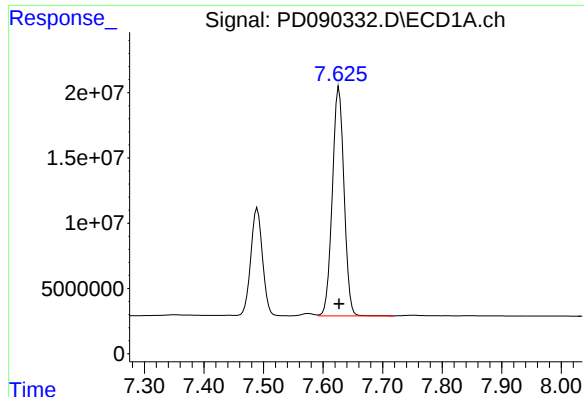
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 112671522
Conc: 50.00 ng/ml



#20 Methoxychlor

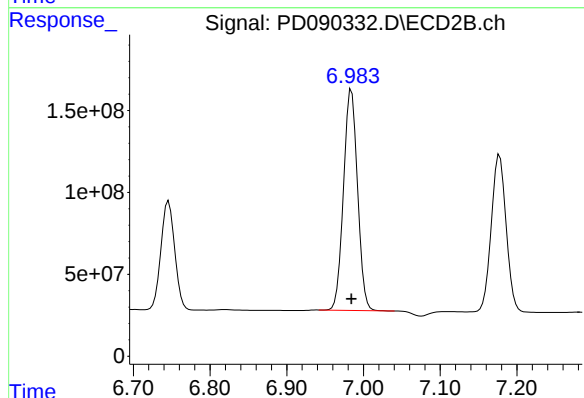
R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 828748764
Conc: 50.00 ng/ml



#21 Endrin ketone

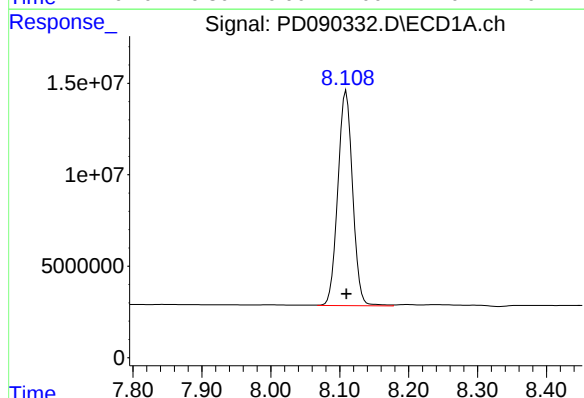
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 239721203
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



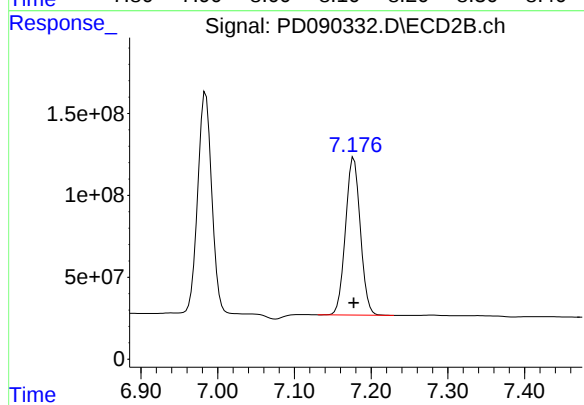
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1717840218
Conc: 50.00 ng/ml



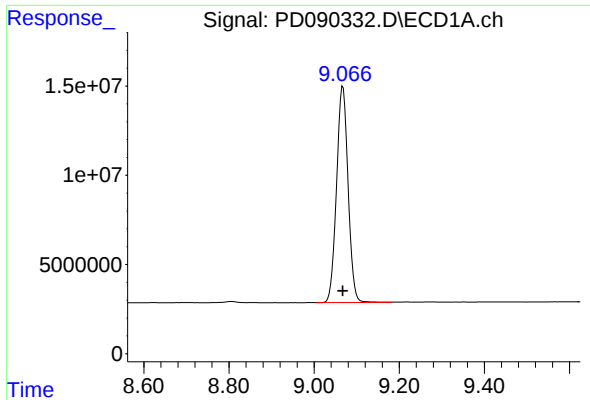
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 174416282
Conc: 50.00 ng/ml



#22 Mirex

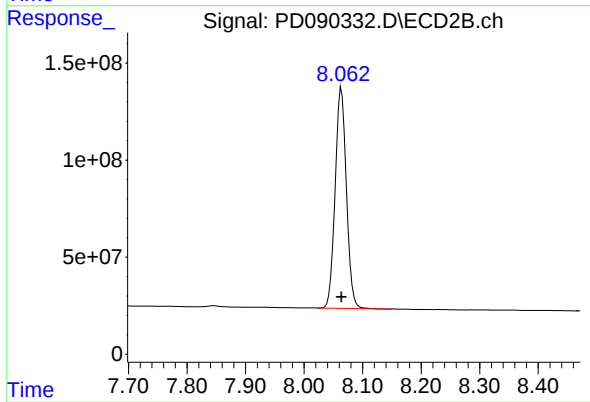
R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1296252798
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 228445280
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1515420635
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 11:11
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	82854234	691.8E6	26.642	26.597
28)	SA Decachlor...	9.067	8.064	121.9E6	806.0E6	26.689	26.593
Target Compounds							
2)	A alpha-BHC	3.996	3.388	166.5E6	1093.8E6	24.032	26.119
3)	MA gamma-BHC...	4.326	3.724	158.3E6	1016.2E6	24.266	26.128
4)	MA Heptachlor	4.925	4.077	161.1E6	1028.9E6	24.830	26.459
5)	MB Aldrin	5.266	4.363	153.4E6	1007.5E6	24.606	26.324
6)	B beta-BHC	4.513	4.020	64059316	438.0E6	25.997	26.626
7)	B delta-BHC	4.762	4.257	154.9E6	1031.3E6	24.067	26.027
8)	B Heptachlo...	5.686	4.866	138.7E6	930.1E6	25.131	26.664
9)	A Endosulfan I	6.070	5.241	132.4E6	881.0E6	25.235	26.632
10)	B gamma-Chl...	5.942	5.119	138.8E6	984.2E6	24.845	26.222
11)	B alpha-Chl...	6.023	5.183	140.5E6	948.1E6	25.069	26.349
12)	B 4,4'-DDE	6.192	5.368	125.6E6	969.1E6	24.492	26.415
13)	MA Dieldrin	6.343	5.506	139.8E6	988.2E6	24.705	26.451
14)	MA Endrin	6.570	5.782	118.3E6	936.3E6	24.696	27.520
15)	B Endosulfa...	6.782	6.074	118.3E6	856.7E6	24.811	26.538
16)	A 4,4'-DDD	6.702	5.922	99114690	822.6E6	24.692	26.527
17)	MA 4,4'-DDT	7.017	6.176	107.9E6	868.4E6	24.672	26.117
18)	B Endrin al...	6.912	6.252	84815631	597.7E6	25.635	26.373
19)	B Endosulfa...	7.146	6.476	113.5E6	829.7E6	25.489	26.654
20)	A Methoxychlor	7.490	6.747	58886348	447.5E6	26.132	26.998
21)	B Endrin ke...	7.627	6.985	121.6E6	920.0E6	25.368	26.778
22)	Mirex	8.110	7.178	93886990	701.1E6	26.915	27.043

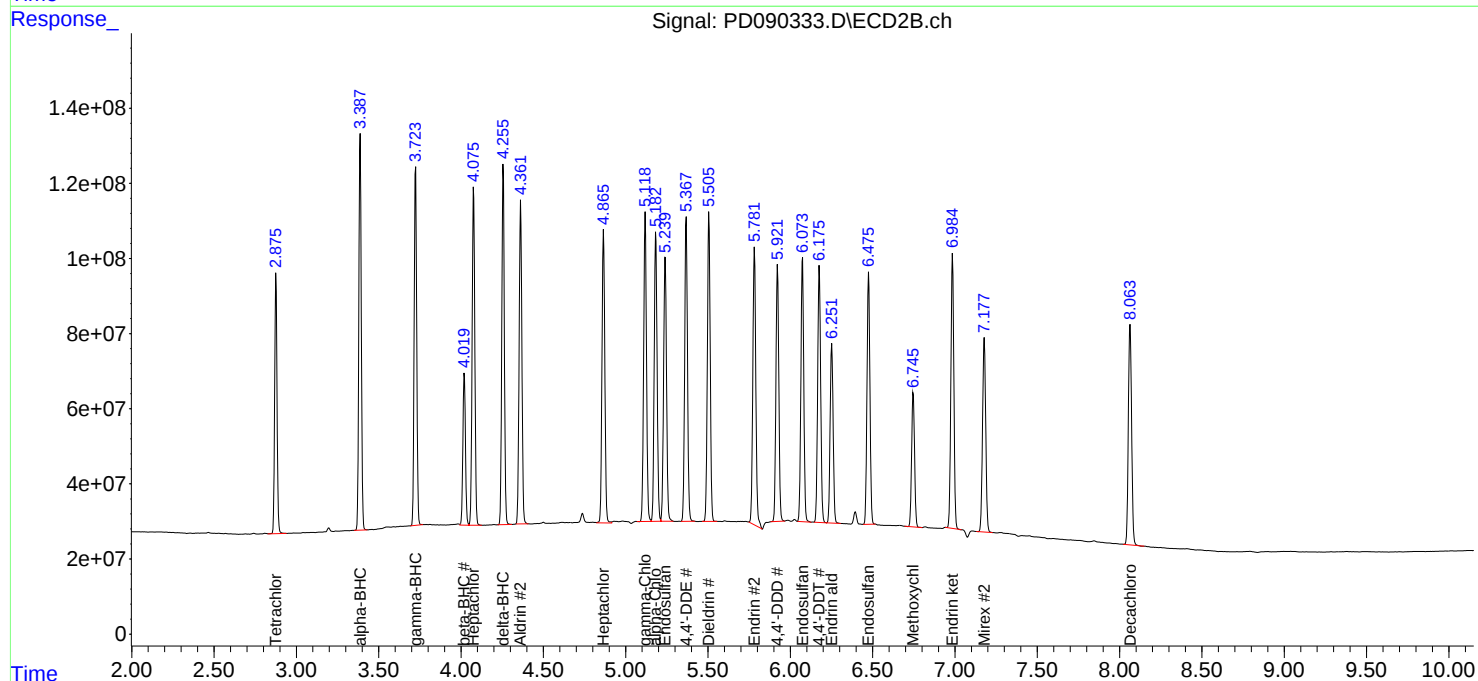
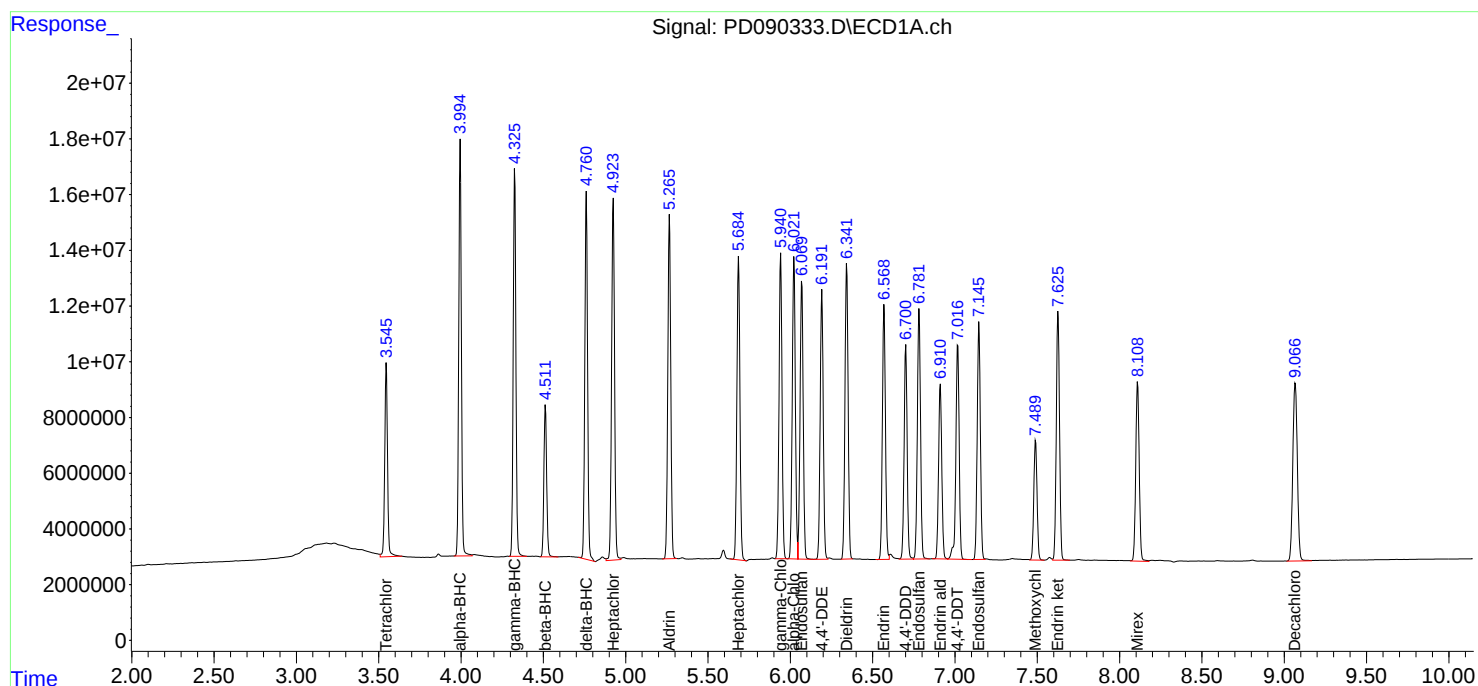
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090333.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 82854234
Conc: 26.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PD090333.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 691796344
Conc: 26.60 ng/ml

Time 2.60 2.70 2.80 2.90 3.00 3.10

Response_ Signal: PD090333.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 166527736
Conc: 24.03 ng/ml

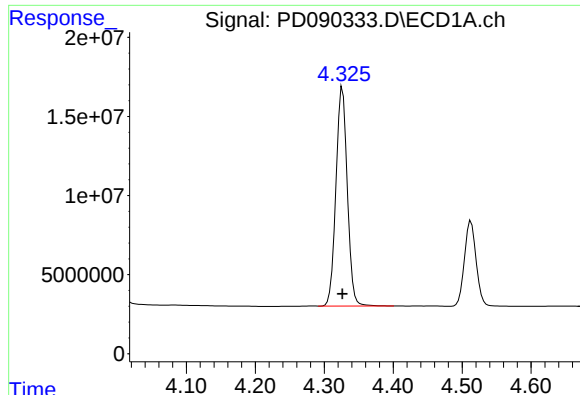
Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

Response_ Signal: PD090333.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1093790855
Conc: 26.12 ng/ml

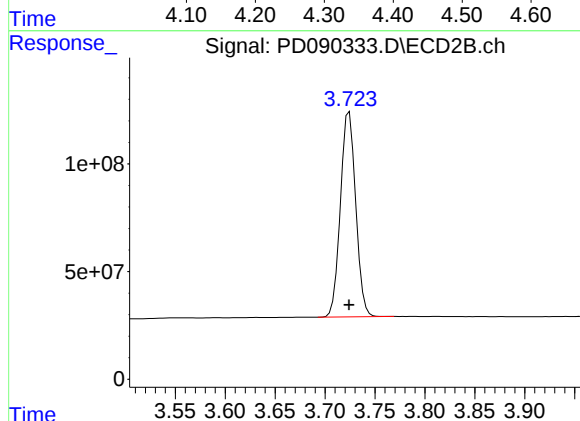
Time 3.20 3.30 3.40 3.50 3.60



#3 gamma-BHC (Lindane)

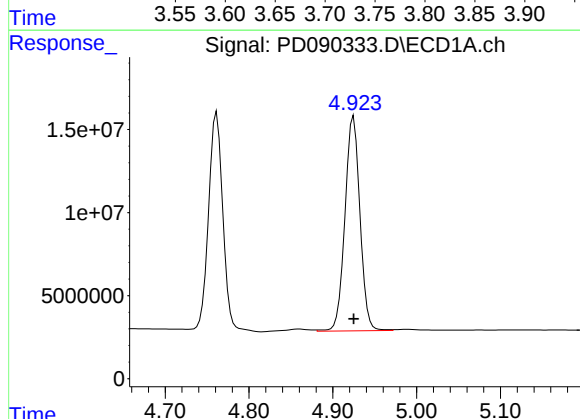
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 158317462
Conc: 24.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



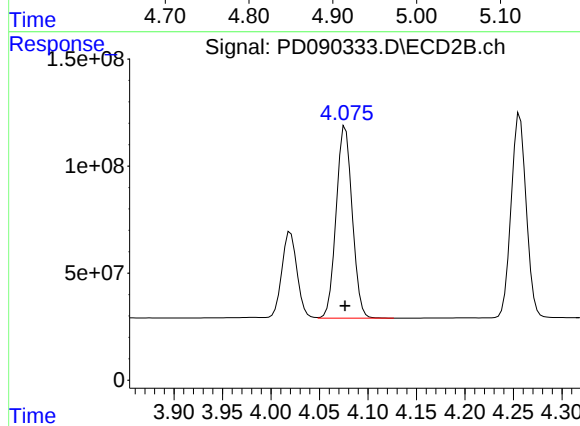
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1016199017
Conc: 26.13 ng/ml



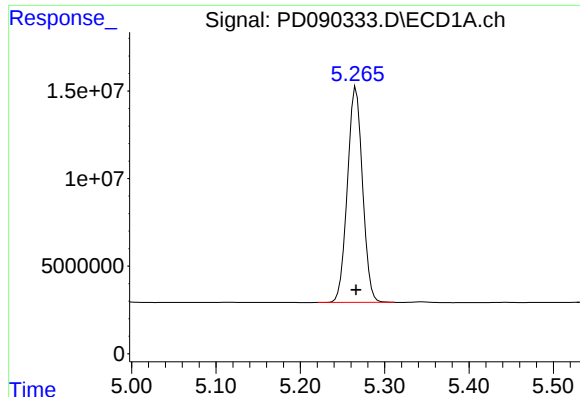
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 161051161
Conc: 24.83 ng/ml



#4 Heptachlor

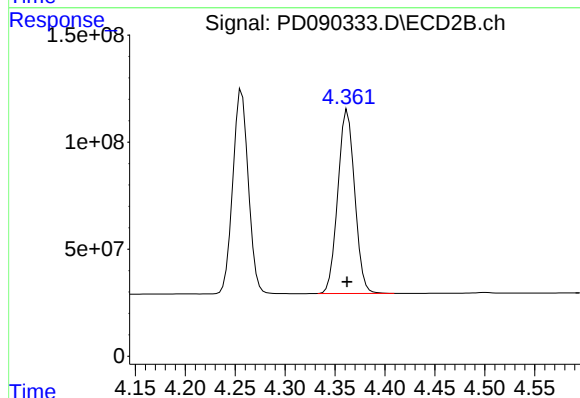
R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 1028906691
Conc: 26.46 ng/ml



#5 Aldrin

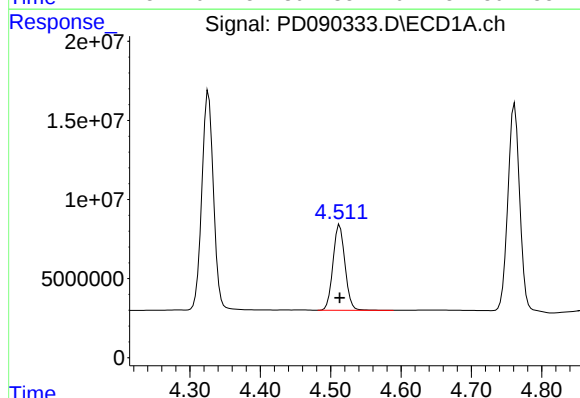
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 153388666
Conc: 24.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



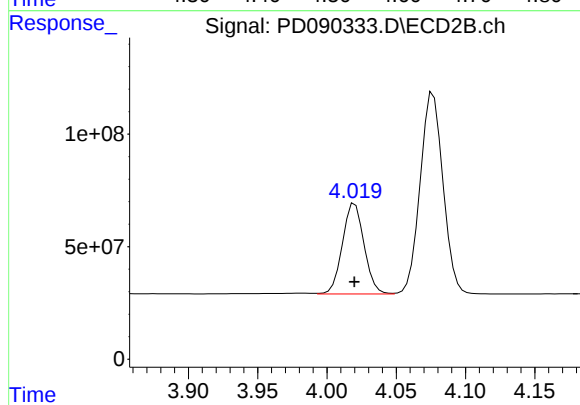
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1007501721
Conc: 26.32 ng/ml



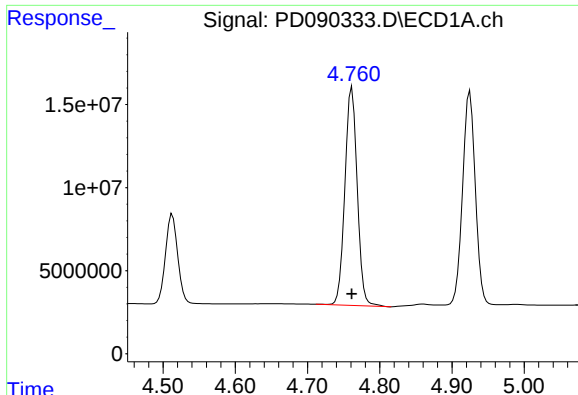
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 64059316
Conc: 26.00 ng/ml



#6 beta-BHC

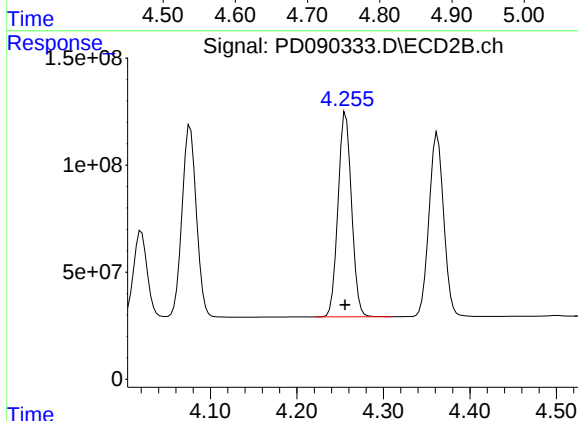
R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 438015052
Conc: 26.63 ng/ml



#7 delta-BHC

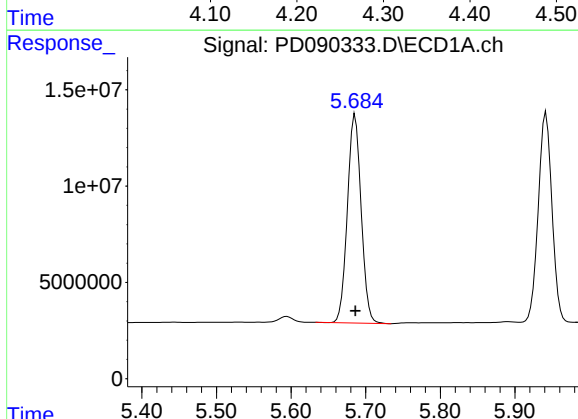
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 154914773
Conc: 24.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



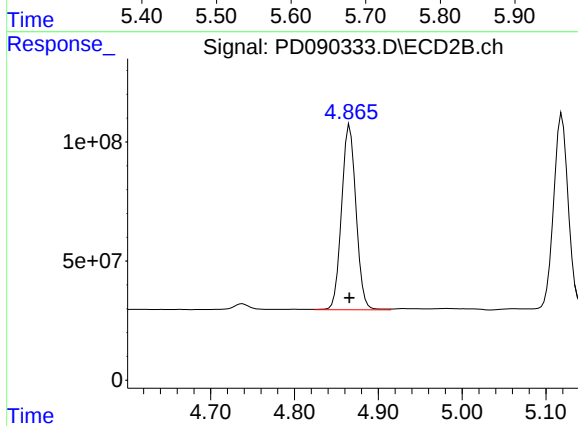
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1031320788
Conc: 26.03 ng/ml



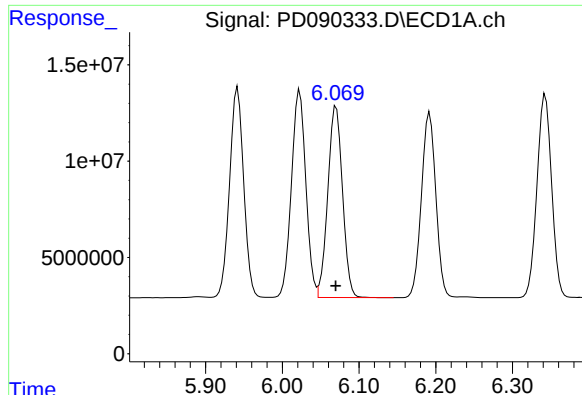
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 138738621
Conc: 25.13 ng/ml



#8 Heptachlor epoxide

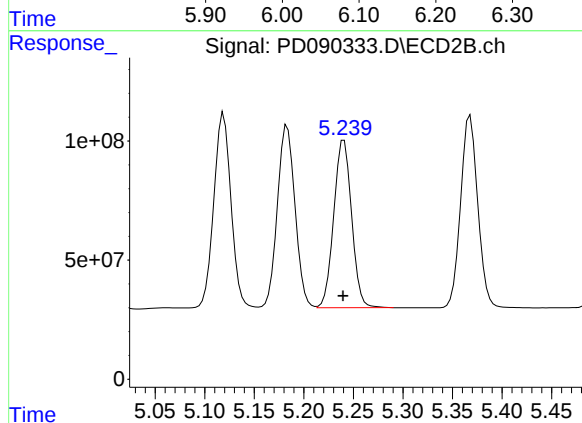
R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 930092968
Conc: 26.66 ng/ml



#9 Endosulfan I

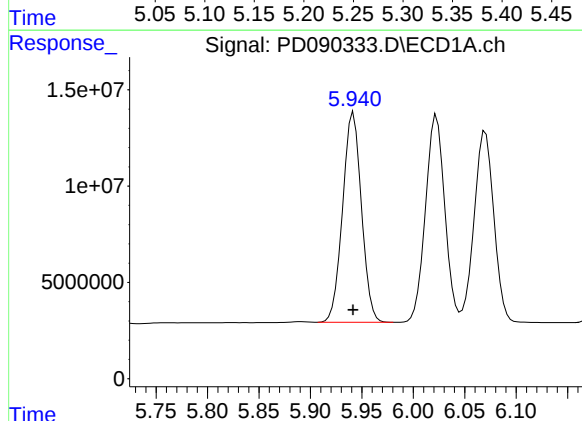
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 132405225
Conc: 25.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



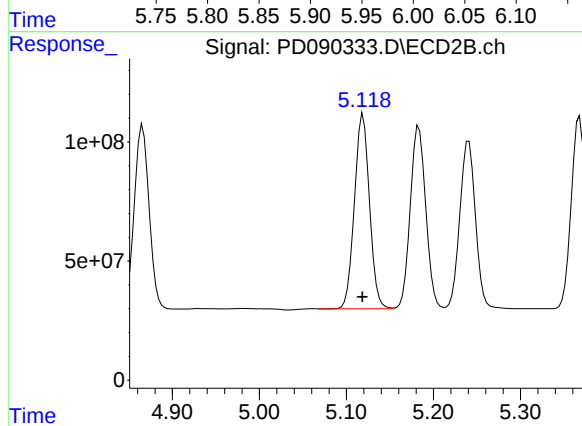
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 881026712
Conc: 26.63 ng/ml



#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 138757109
Conc: 24.85 ng/ml



#10 gamma-Chlordane

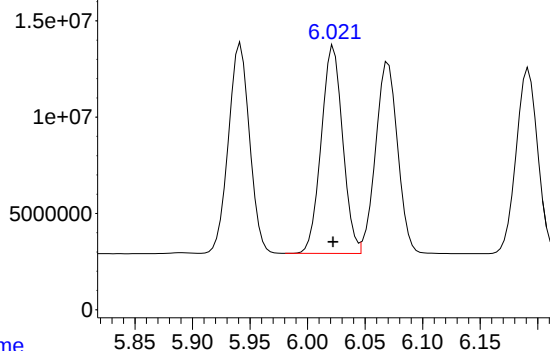
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 984171821
Conc: 26.22 ng/ml

Response_

Signal: PD090333.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 140499730
Conc: 25.07 ng/ml

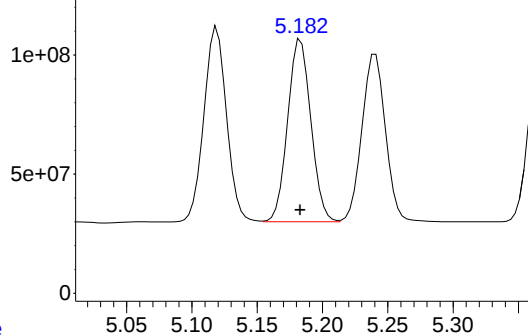
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#11 alpha-Chlordane



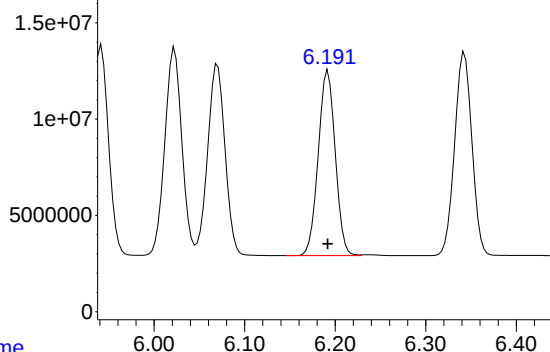
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 948136028
Conc: 26.35 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#12 4,4'-DDE



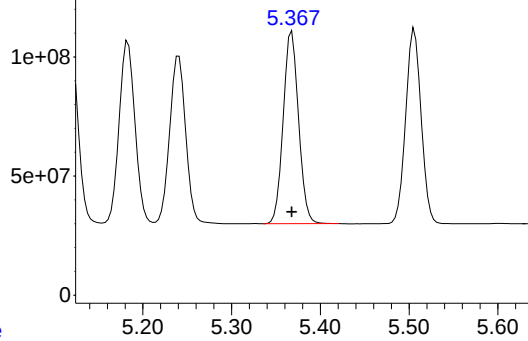
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 125610676
Conc: 24.49 ng/ml

Time

Response_

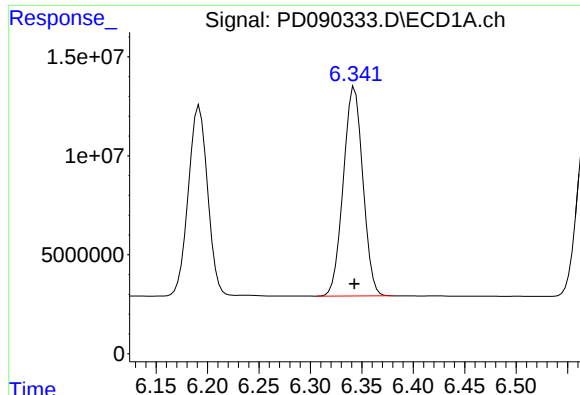
Signal: PD090333.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 969076092
Conc: 26.42 ng/ml

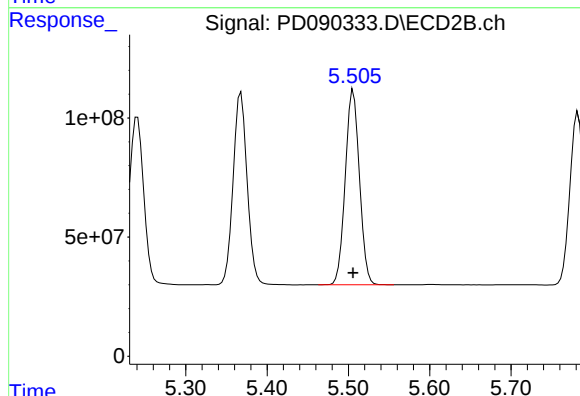
Time



#13 Dieldrin

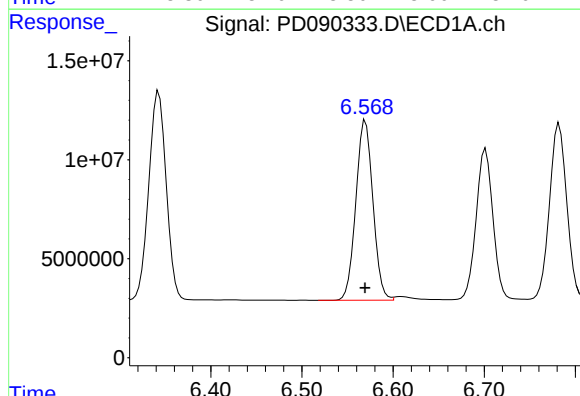
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139796317
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



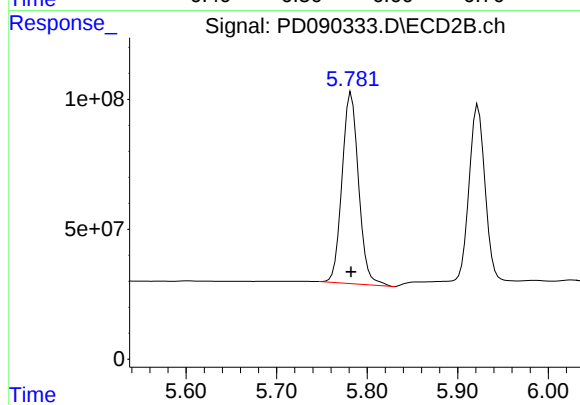
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 988187991
Conc: 26.45 ng/ml



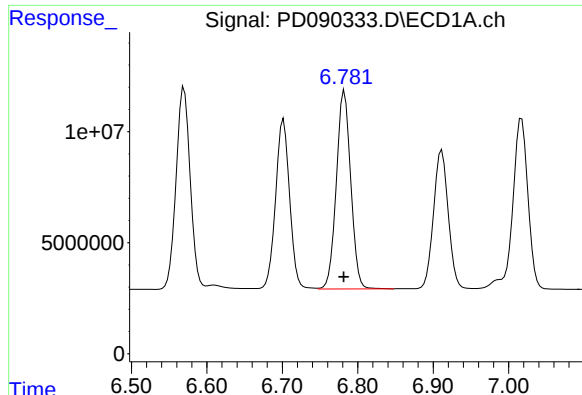
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 118315739
Conc: 24.70 ng/ml



#14 Endrin

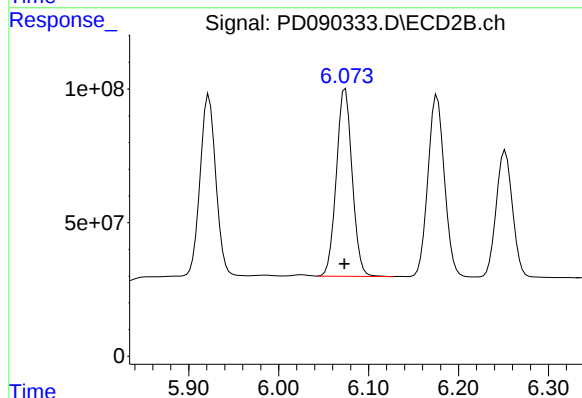
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 936258872
Conc: 27.52 ng/ml



#15 Endosulfan II

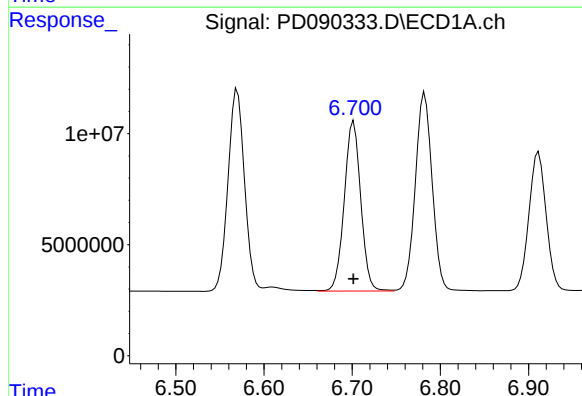
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 118294825
Conc: 24.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



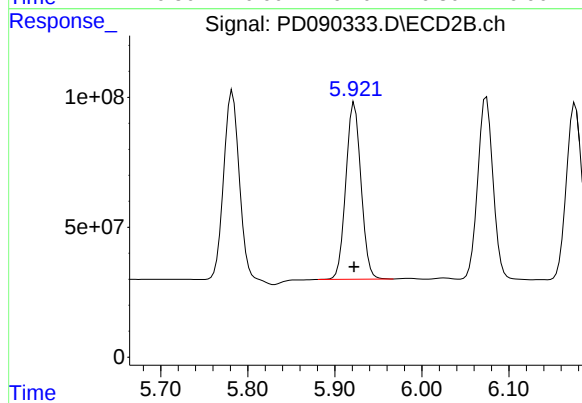
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 856725923
Conc: 26.54 ng/ml



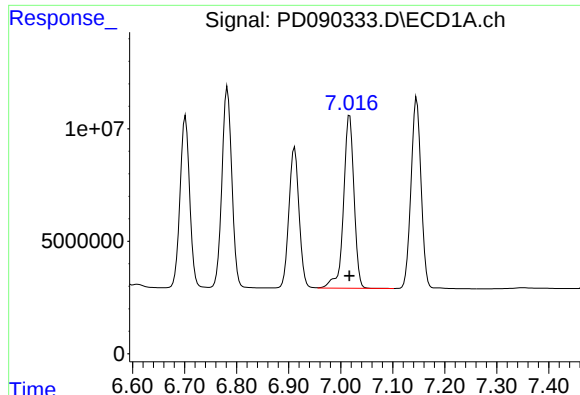
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 99114690
Conc: 24.69 ng/ml



#16 4,4'-DDD

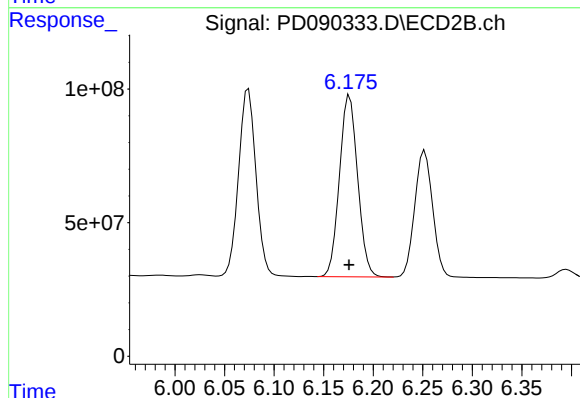
R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 822587646
Conc: 26.53 ng/ml



#17 4,4'-DDT

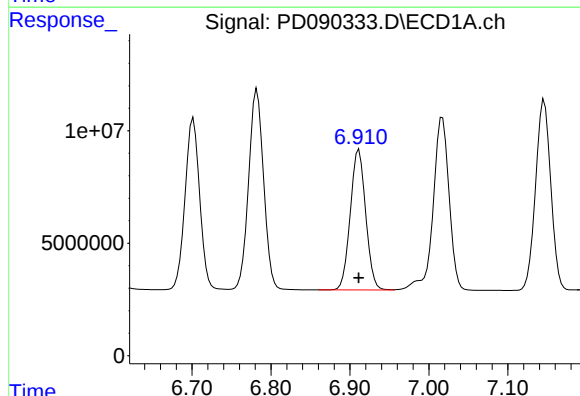
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 107884441
Conc: 24.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



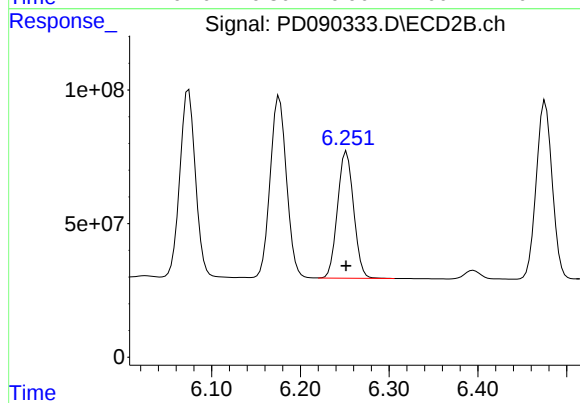
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 868412878
Conc: 26.12 ng/ml



#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 84815631
Conc: 25.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 597699980
Conc: 26.37 ng/ml

Response_ Signal: PD090333.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 113450456
Conc: 25.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_ Signal: PD090333.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 829702220
Conc: 26.65 ng/ml

Time

Response_ Signal: PD090333.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 58886348
Conc: 26.13 ng/ml

Time

Response_ Signal: PD090333.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 447498155
Conc: 27.00 ng/ml

Time

Response_ Signal: PD090333.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 121625773
Conc: 25.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_ Signal: PD090333.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.001 min
Response: 919994231
Conc: 26.78 ng/ml

Time

Response_ Signal: PD090333.D\ECD1A.ch

#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 93886990
Conc: 26.91 ng/ml

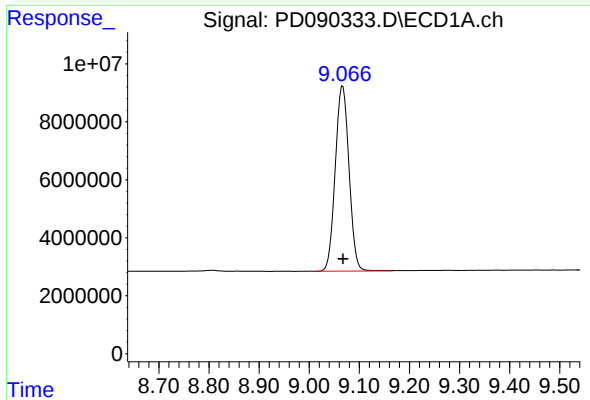
Time

Response_ Signal: PD090333.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.001 min
Response: 701096687
Conc: 27.04 ng/ml

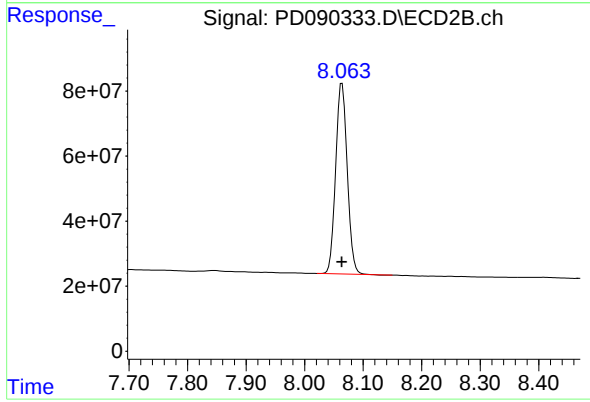
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 121939831
Conc: 26.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 805983061
Conc: 26.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.876	17825803	159.9E6	5.732m	6.147
28) SA Decachlor...	9.067	8.064	28924383	194.1E6	6.331	6.405
Target Compounds						
2) A alpha-BHC	3.995	3.388	32409405	246.0E6	4.677	5.874 #
3) MA gamma-BHC...	4.326	3.724	31965550	230.5E6	4.899	5.927
4) MA Heptachlor	4.923	4.076	33247136	235.0E6	5.126m	6.042
5) MB Aldrin	5.266	4.362	31981202	226.7E6	5.130	5.922
6) B beta-BHC	4.513	4.020	14541568	101.7E6	5.901	6.181
7) B delta-BHC	4.760	4.256	30051030	232.7E6	4.669m	5.873 #
8) B Heptachlo...	5.686	4.866	30902364	222.2E6	5.598	6.371
9) A Endosulfan I	6.070	5.240	28890370	201.8E6	5.506	6.101
10) B gamma-Chl...	5.941	5.119	29291567	225.3E6	5.245	6.002
11) B alpha-Chl...	6.022	5.183	30398915	216.3E6	5.424	6.010
12) B 4,4'-DDE	6.191	5.367	26114536	217.7E6	5.092	5.935m
13) MA Dieldrin	6.342	5.505	29402820	224.1E6	5.196	6.000
14) MA Endrin	6.569	5.781	25102642	207.6E6	5.240	6.103m
15) B Endosulfa...	6.782	6.074	26078573	197.3E6	5.470	6.111
16) A 4,4'-DDD	6.701	5.922	20863834	186.1E6	5.198	6.003
17) MA 4,4'-DDT	7.016	6.176	22380902	188.5E6	5.118	5.670
18) B Endrin al...	6.911	6.252	19263706	137.1E6	5.822	6.049
19) B Endosulfa...	7.145	6.475	25098674	192.3E6	5.639	6.177
20) A Methoxychlor	7.489	6.747	13357437	102.8E6	5.928	6.205
21) B Endrin ke...	7.627	6.985	26444173	214.2E6	5.516	6.234
22) Mirex	8.110	7.178	22153300	167.5E6	6.351	6.460

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

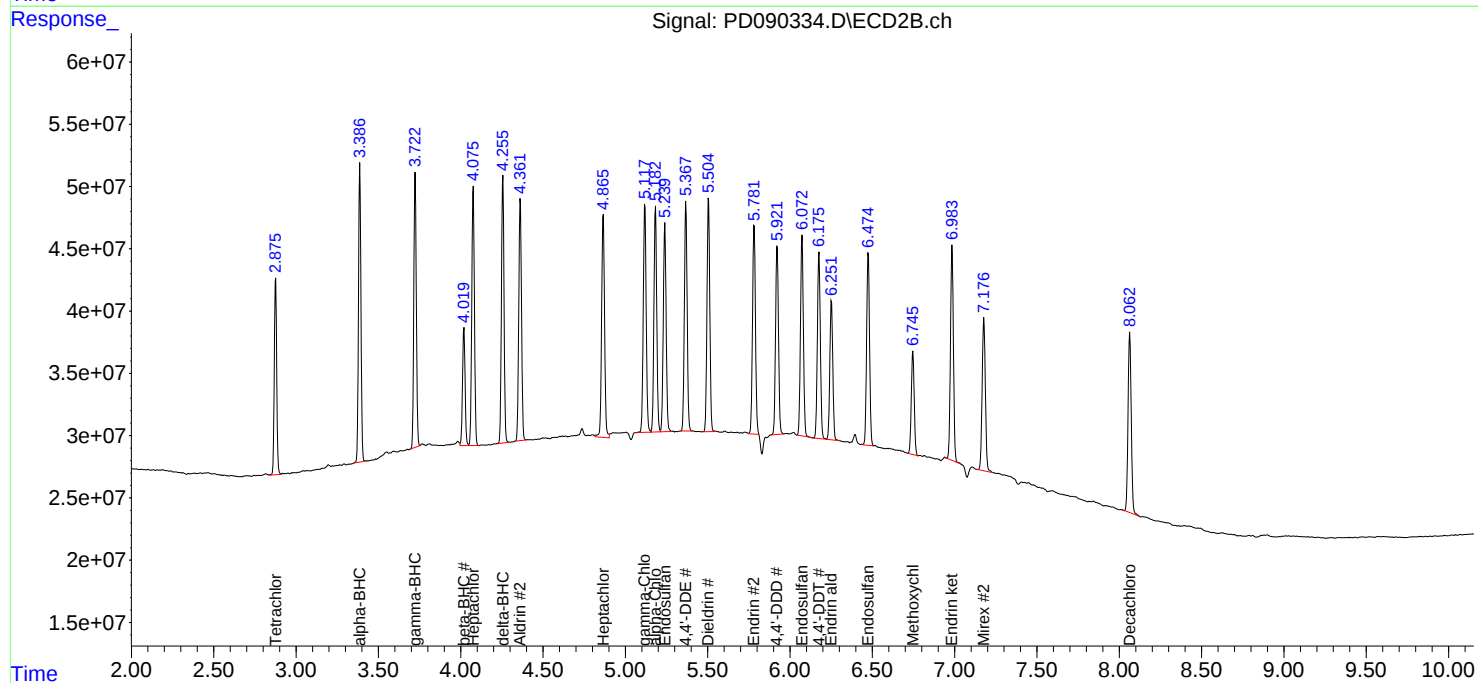
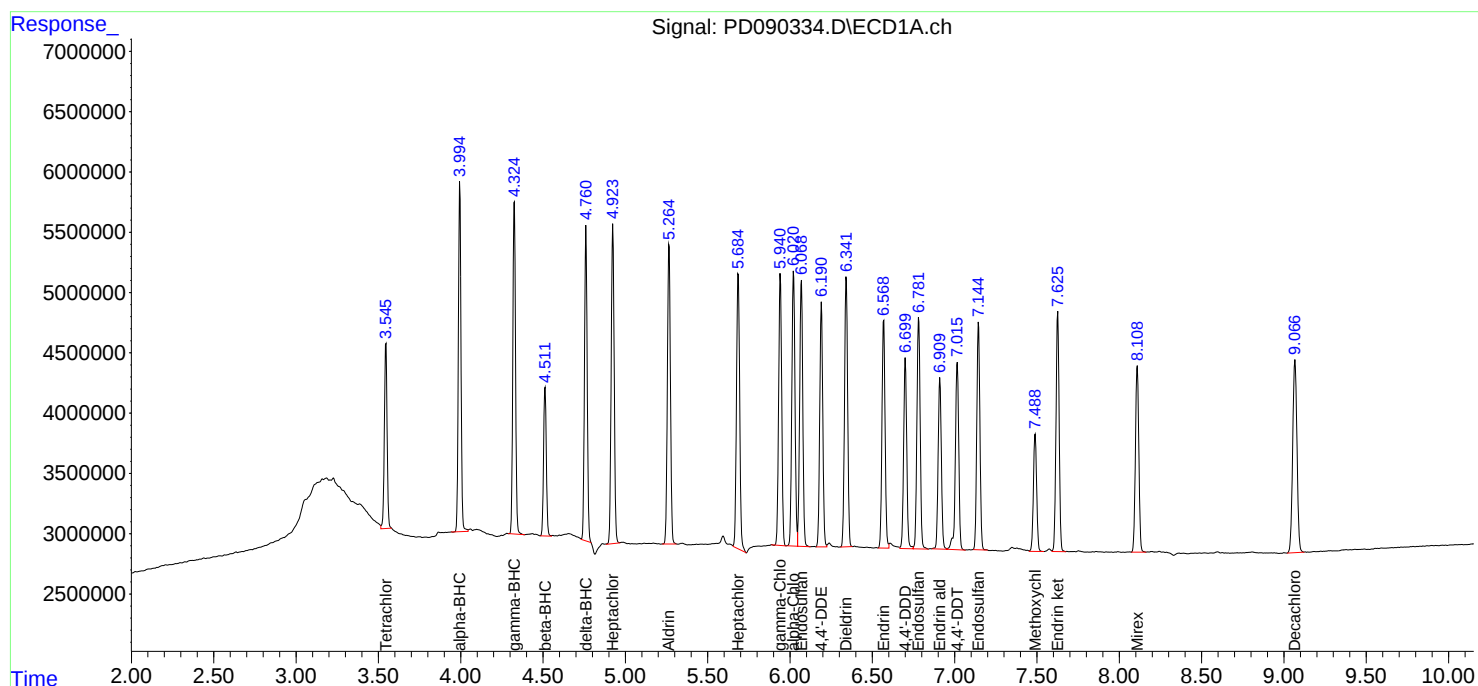
APPROVED

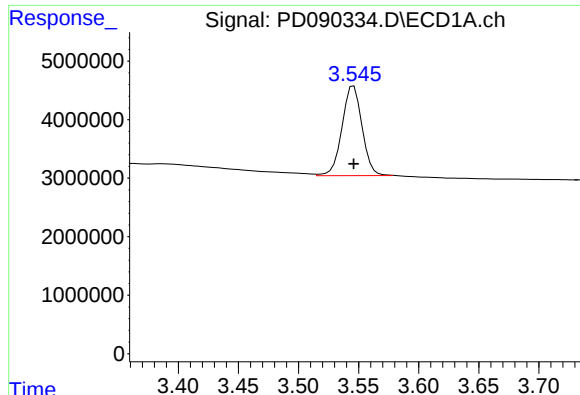
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 17825803
Conc: 5.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

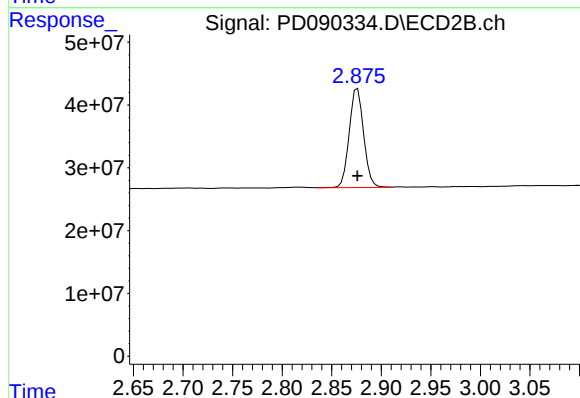
PSTDICC005

Manual Integrations

APPROVED

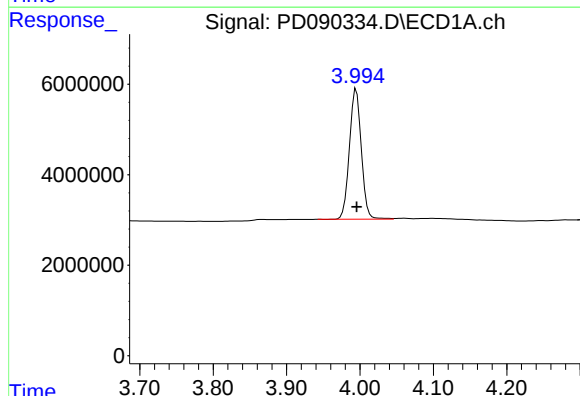
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



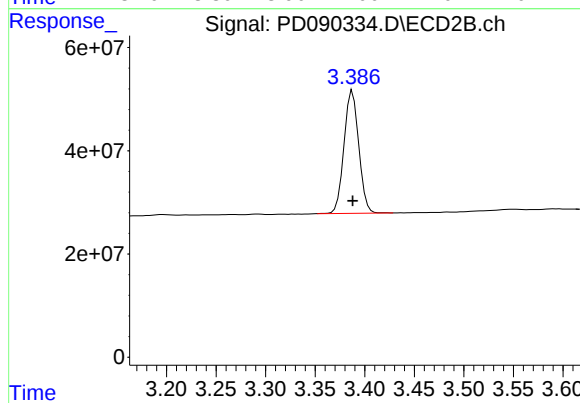
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 159888318
Conc: 6.15 ng/ml



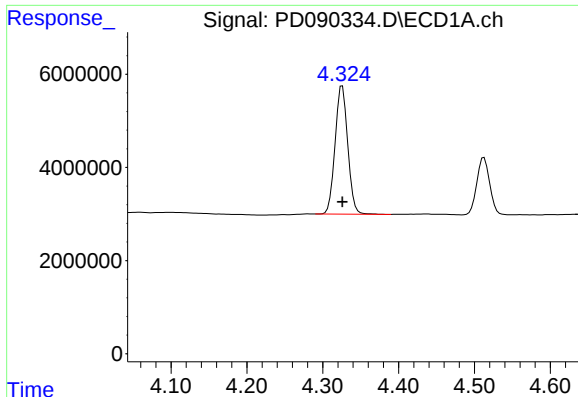
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 32409405
Conc: 4.68 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 245995366
Conc: 5.87 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 31965550
Conc: 4.90 ng/ml

Instrument :

ECD_D

ClientSampleId :

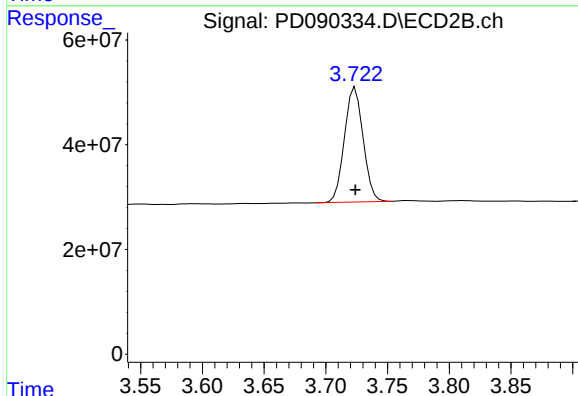
PSTDICC005

Manual Integrations

APPROVED

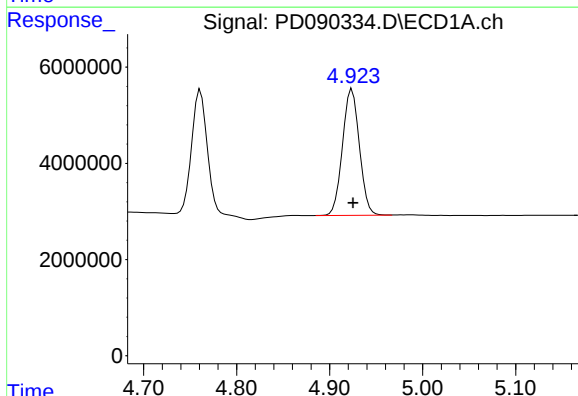
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



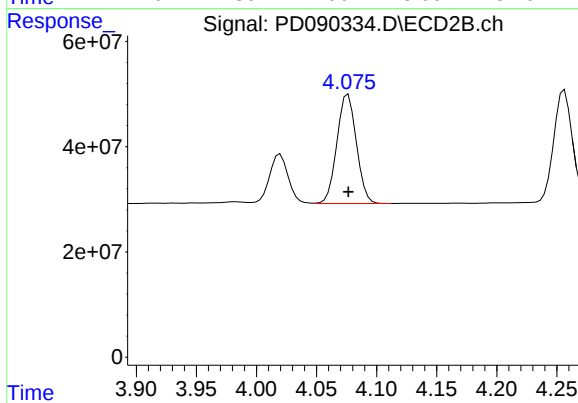
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 230522704
Conc: 5.93 ng/ml



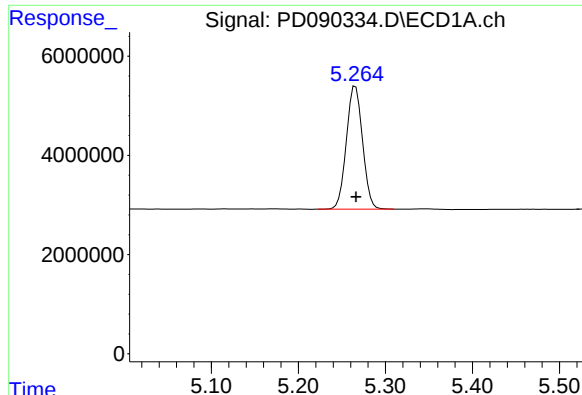
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 33247136
Conc: 5.13 ng/ml m



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 234951730
Conc: 6.04 ng/ml



#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 31981202
Conc: 5.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

#5 Aldrin

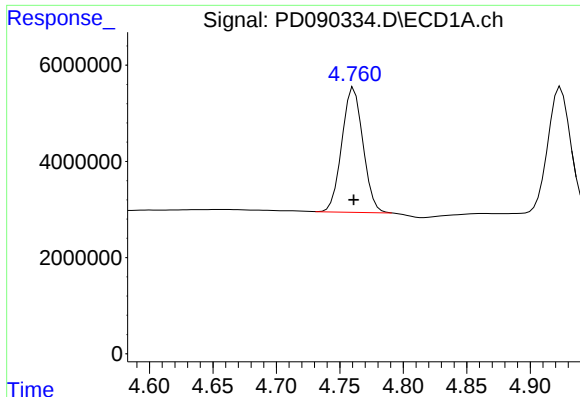
R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 226660252
Conc: 5.92 ng/ml

#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 14541568
Conc: 5.90 ng/ml

#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 101680104
Conc: 6.18 ng/ml



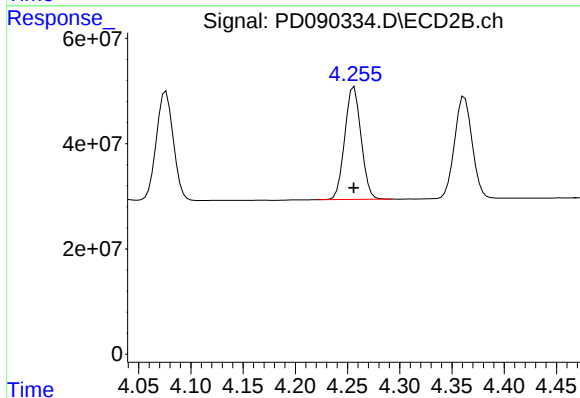
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 30051030
Conc: 4.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

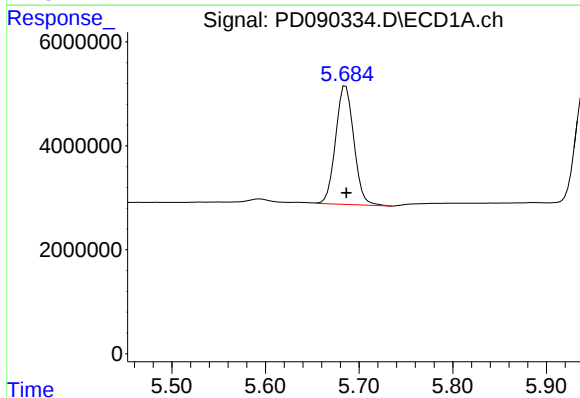
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



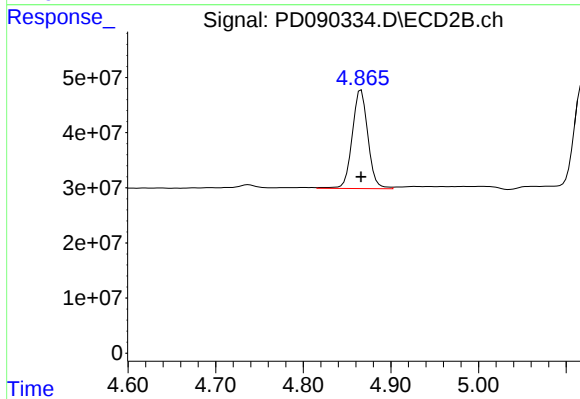
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 232712382
Conc: 5.87 ng/ml



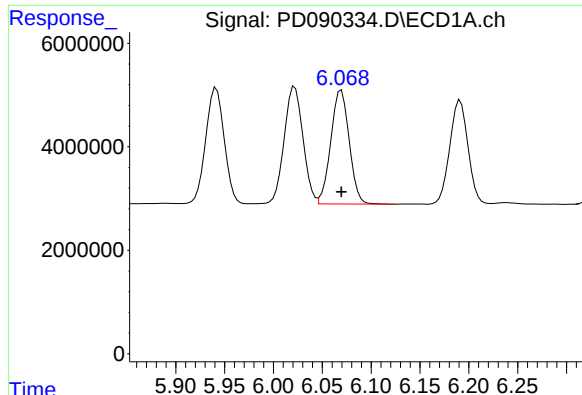
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 30902364
Conc: 5.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 222230173
Conc: 6.37 ng/ml



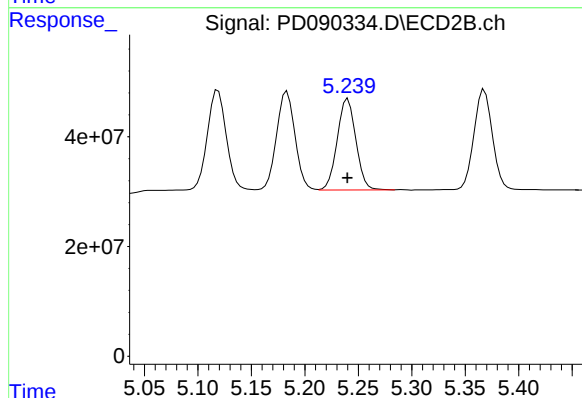
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 28890370
Conc: 5.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

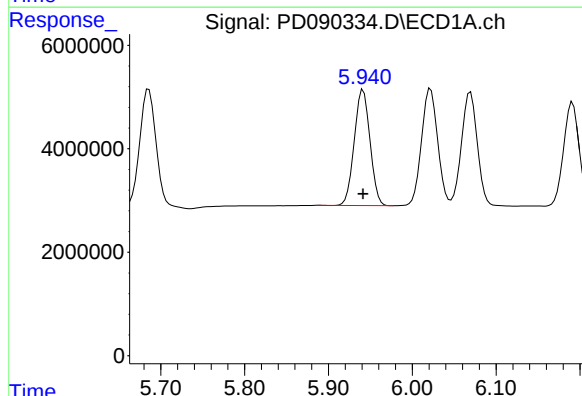
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



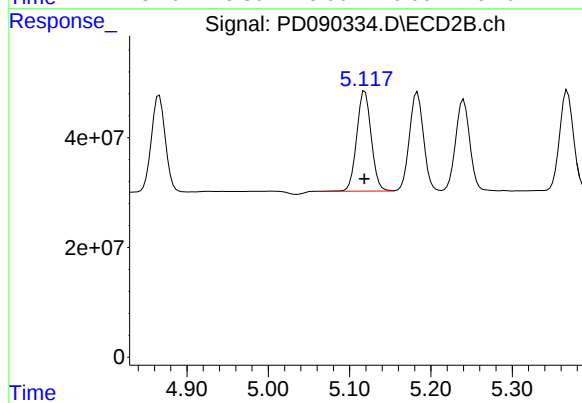
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 201843147
Conc: 6.10 ng/ml



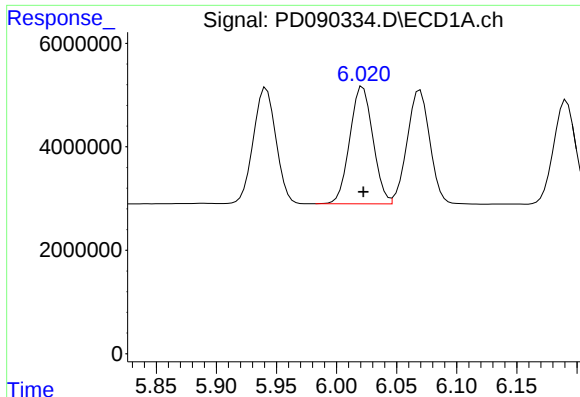
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 29291567
Conc: 5.24 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 225289175
Conc: 6.00 ng/ml



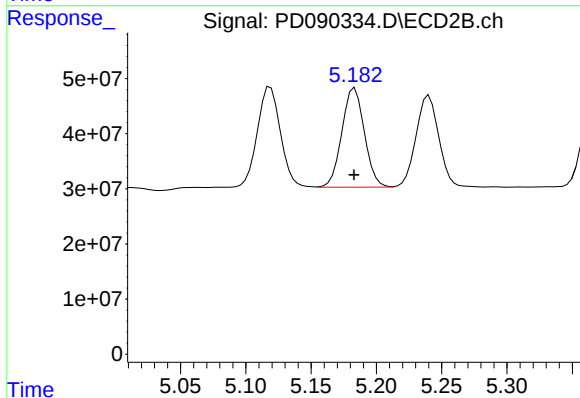
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 30398915
Conc: 5.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

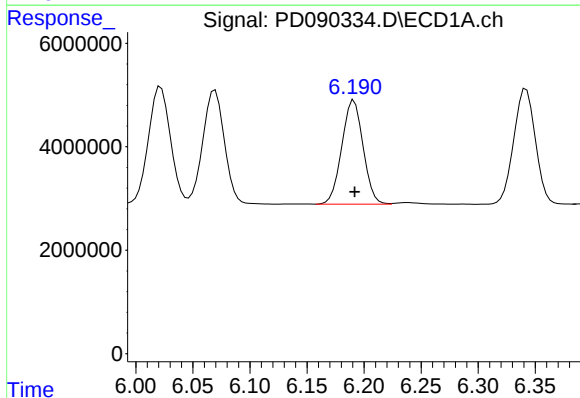
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



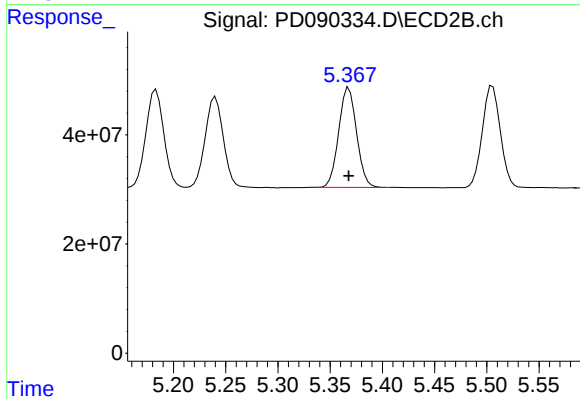
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 216275426
Conc: 6.01 ng/ml



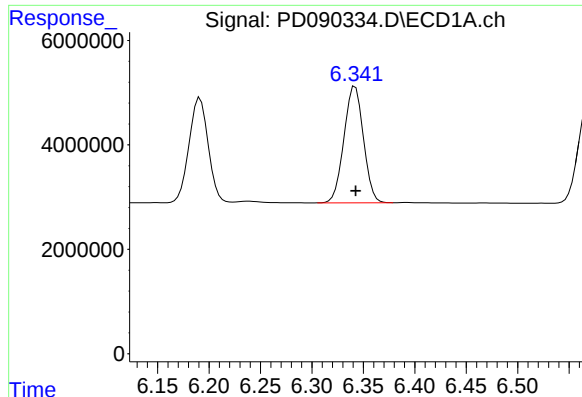
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 26114536
Conc: 5.09 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 217747685
Conc: 5.94 ng/ml m



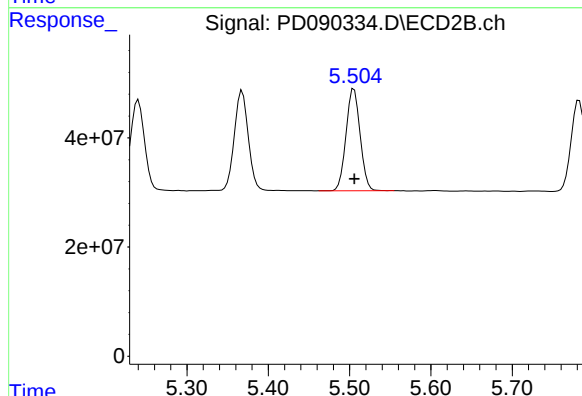
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 29402820
Conc: 5.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

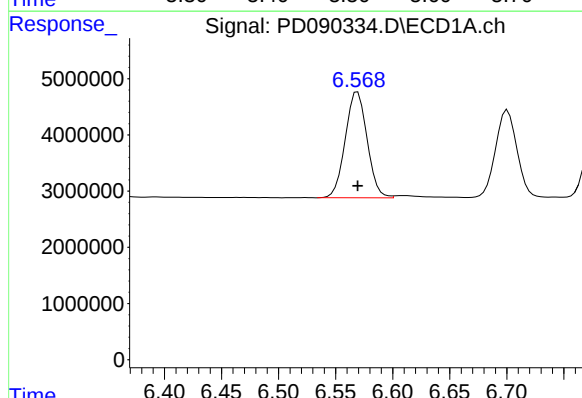
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



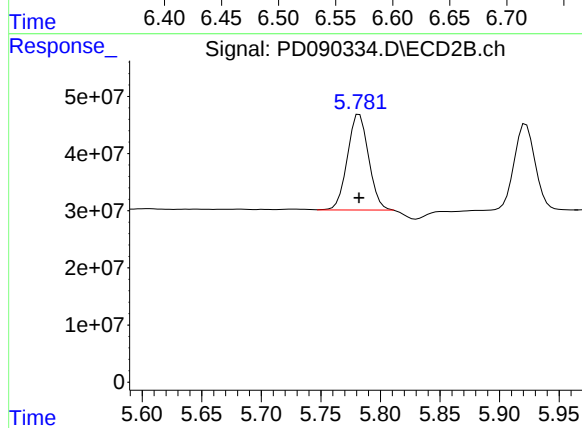
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 224143340
Conc: 6.00 ng/ml



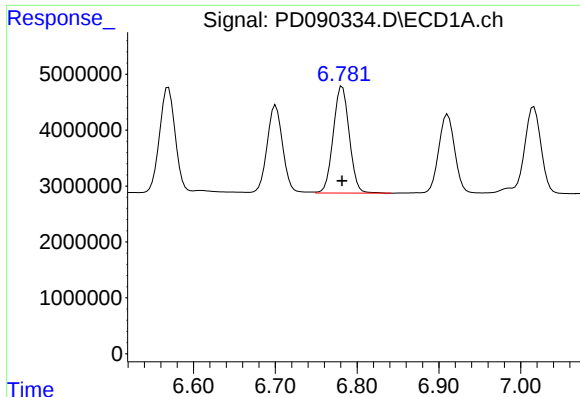
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 25102642
Conc: 5.24 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 207633420
Conc: 6.10 ng/ml m



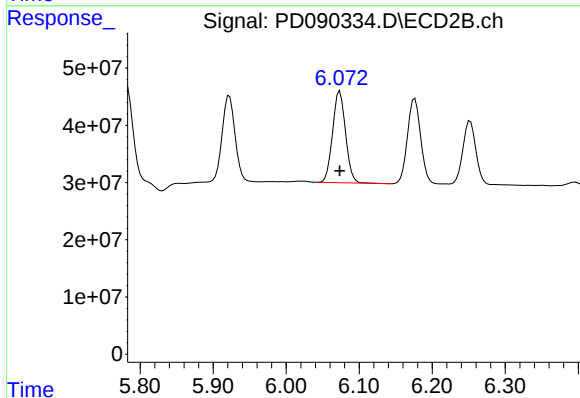
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 26078573
Conc: 5.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

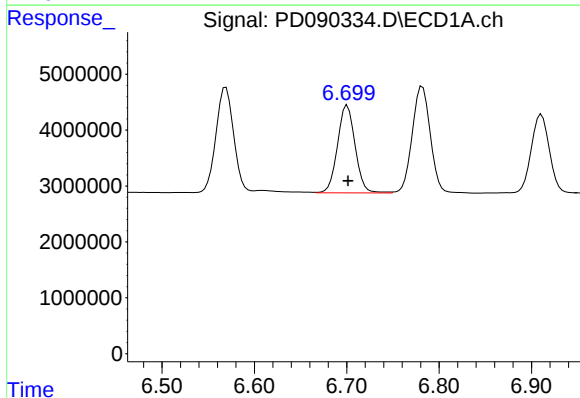
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



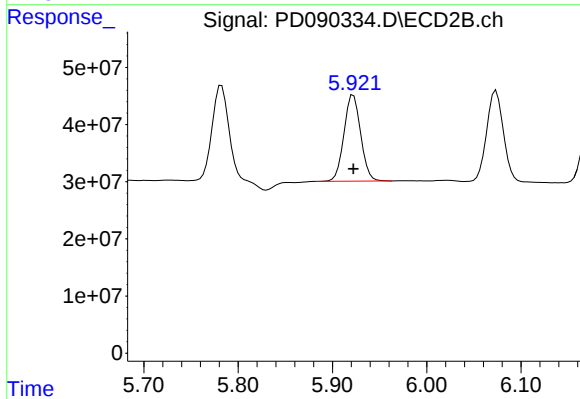
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 197294415
Conc: 6.11 ng/ml



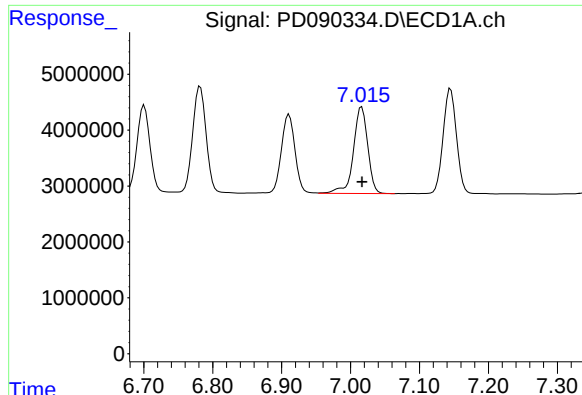
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 20863834
Conc: 5.20 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 186144610
Conc: 6.00 ng/ml



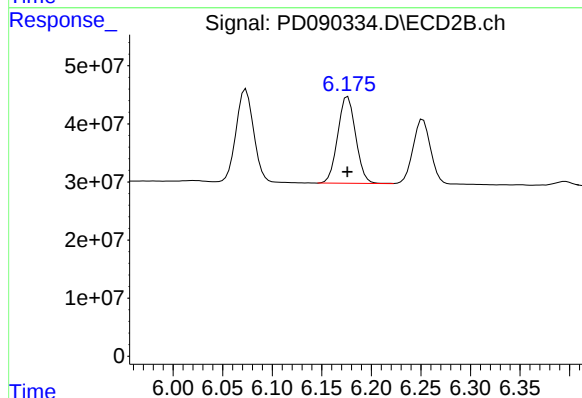
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 22380902
Conc: 5.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

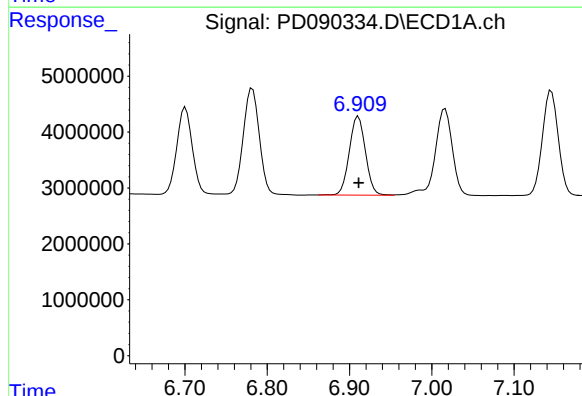
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



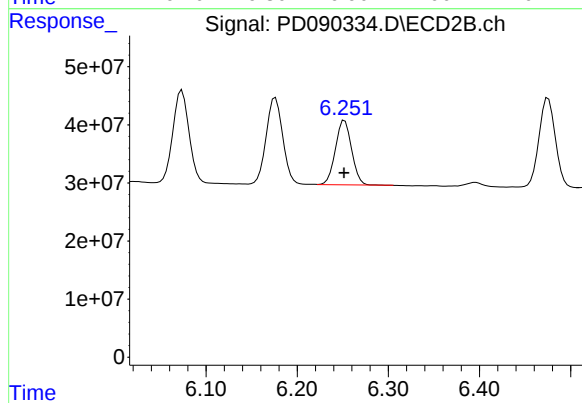
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 188527505
Conc: 5.67 ng/ml



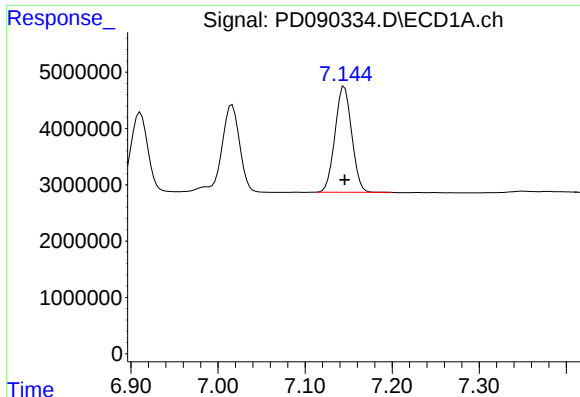
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 19263706
Conc: 5.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 137085224
Conc: 6.05 ng/ml



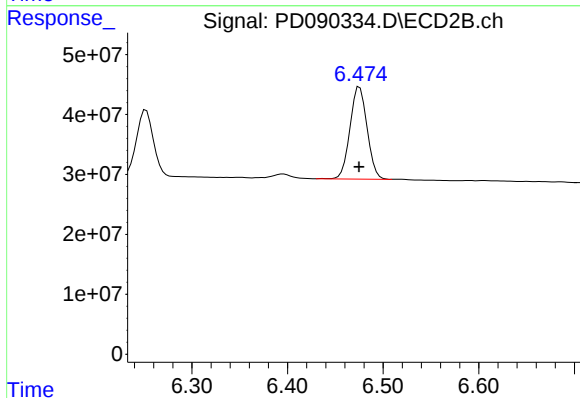
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 25098674
Conc: 5.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

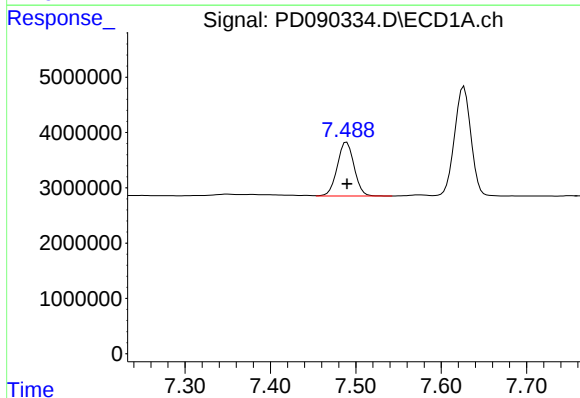
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



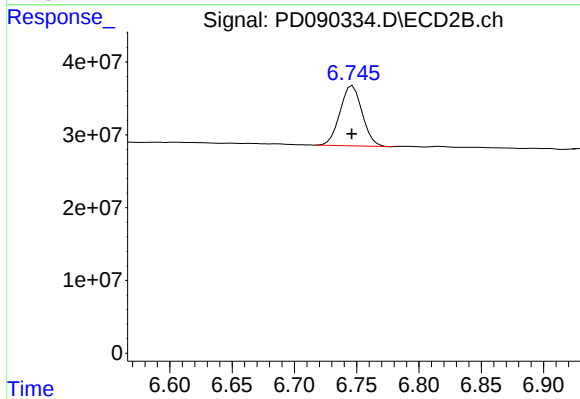
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 192281123
Conc: 6.18 ng/ml



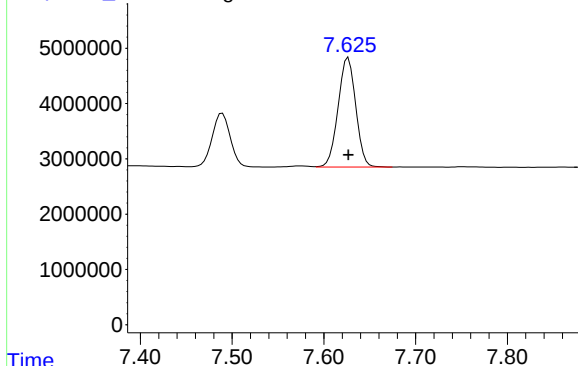
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 13357437
Conc: 5.93 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 102844152
Conc: 6.20 ng/ml

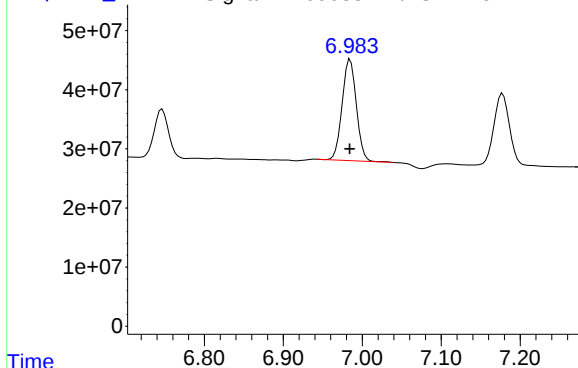


R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 26444173
Conc: 5.52 ng/ml

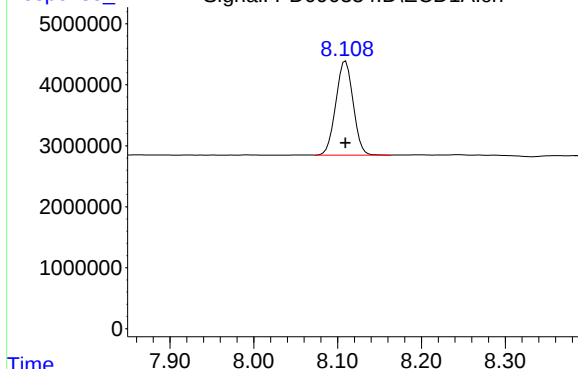
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

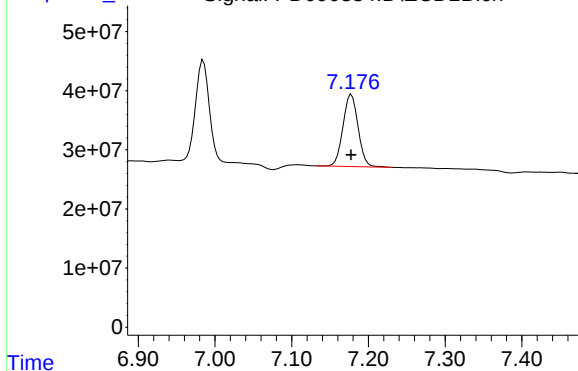
Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



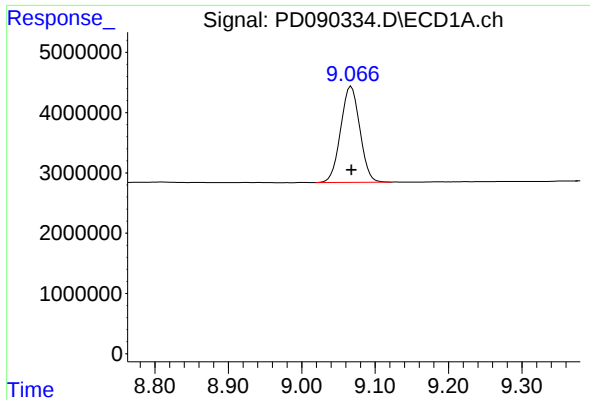
R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 214191014
Conc: 6.23 ng/ml



R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 22153300
Conc: 6.35 ng/ml



R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 167487946
Conc: 6.46 ng/ml



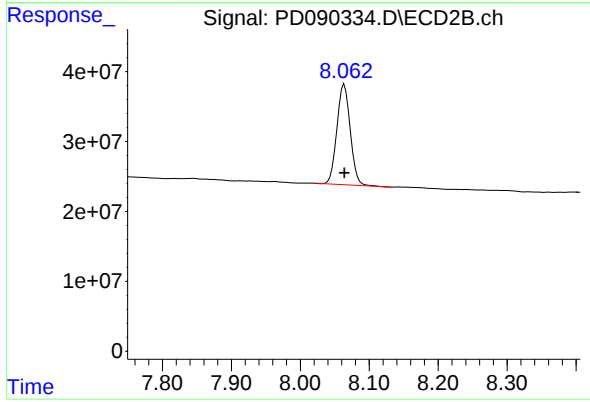
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 28924383
Conc: 6.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 194139774
Conc: 6.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.876	131.5E6	1423.2E6	50.000	50.000
28) SA Decachlor...	9.067	8.064	198.1E6	1343.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.710	3.900	102.3E6	585.9E6	500.000	500.000
24) Chlordane-2	5.237	4.481	102.7E6	605.6E6	500.000	500.000
25) Chlordane-3	5.942	5.120	412.5E6	1831.3E6	500.000	500.000
26) Chlordane-4	6.027	5.184	498.7E6	1568.9E6	500.000	500.000
27) Chlordane-5	6.867	6.083	87350033	746.3E6	500.000	500.000

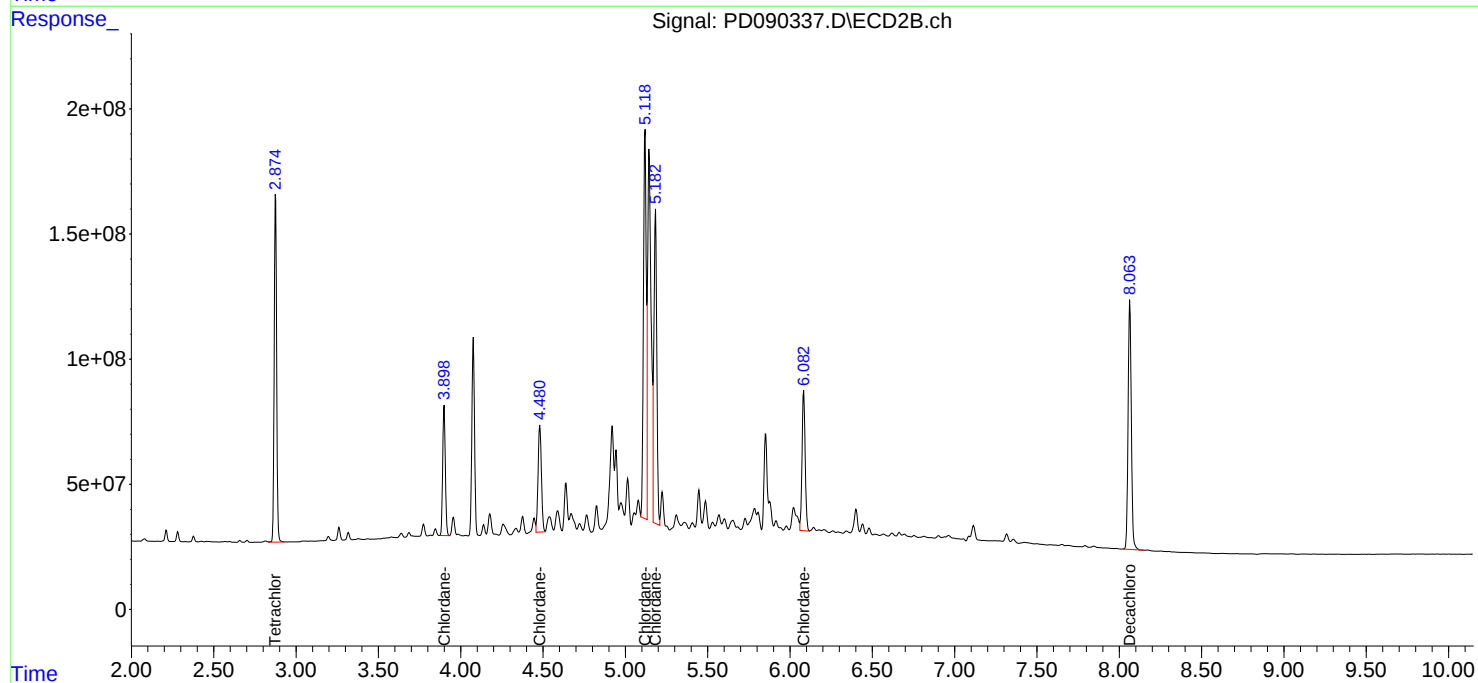
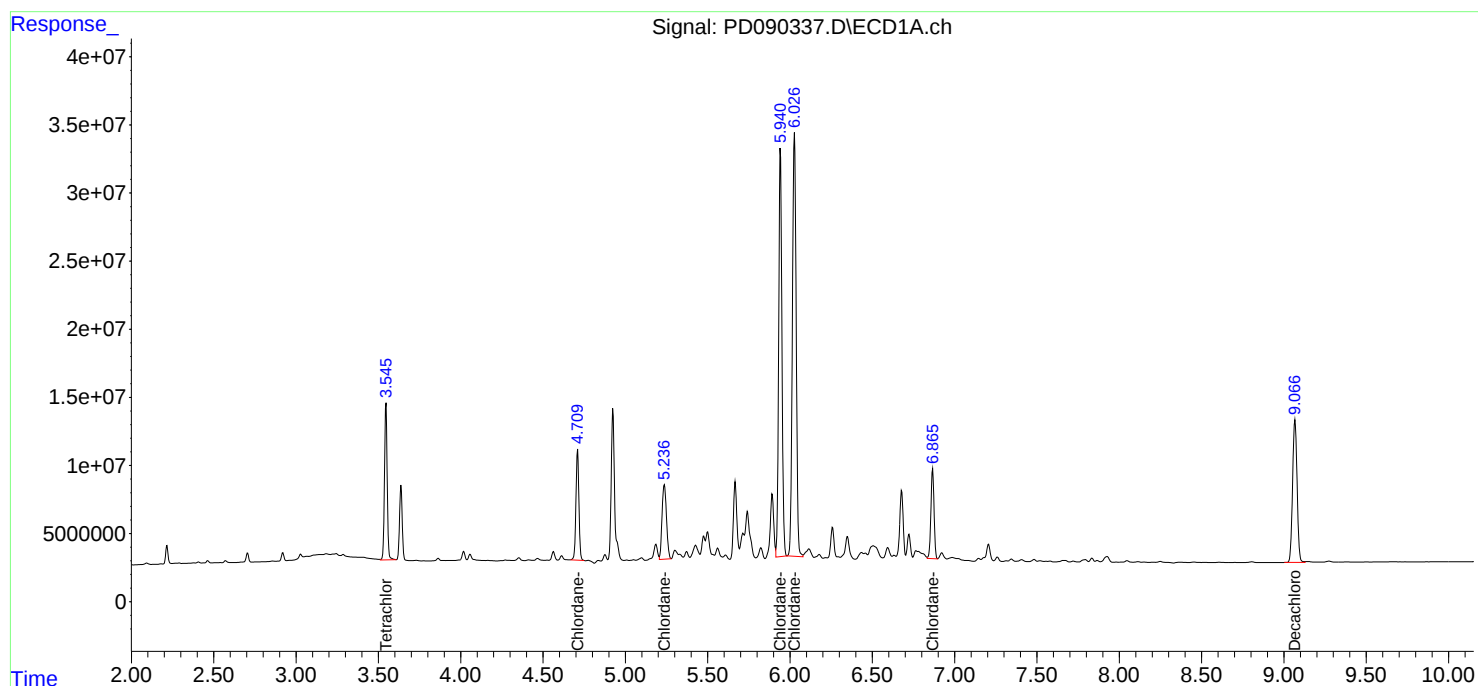
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

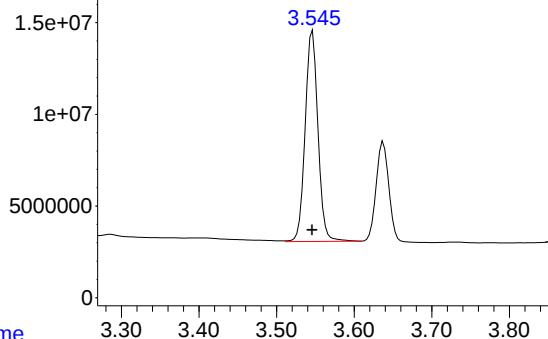
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090337.D\ECD1A.ch

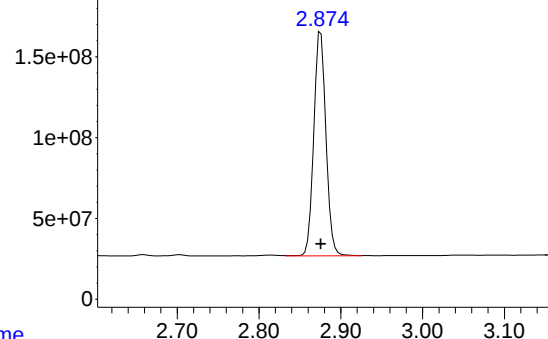


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 131534172
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

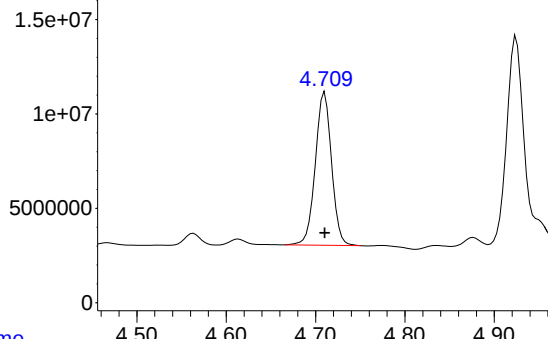
Time Response_ Signal: PD090337.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1423168585
Conc: 50.00 ng/ml

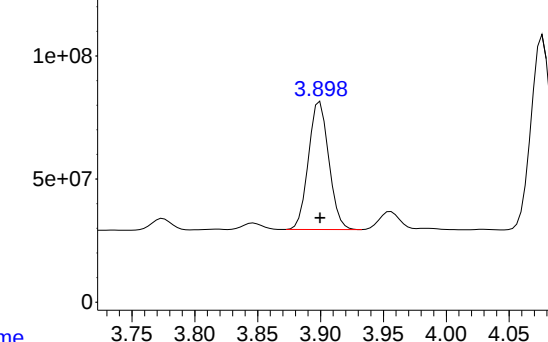
Time Response_ Signal: PD090337.D\ECD1A.ch



#23 Chlordane-1

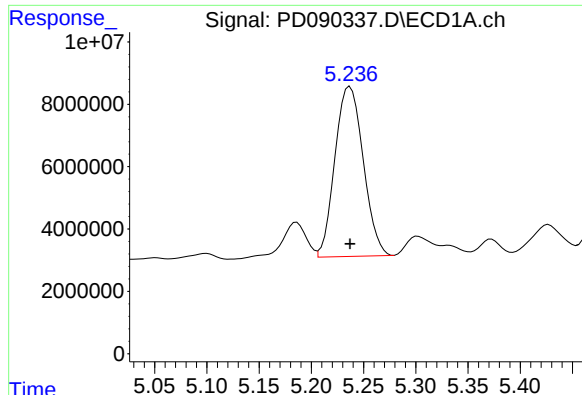
R.T.: 4.710 min
Delta R.T.: 0.000 min
Response: 102333996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090337.D\ECD2B.ch



#23 Chlordane-1

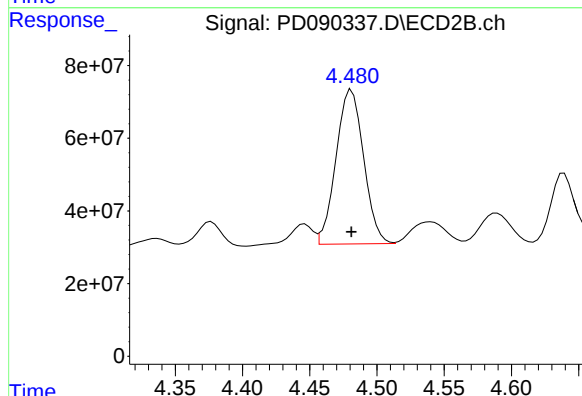
R.T.: 3.900 min
Delta R.T.: 0.000 min
Response: 585938946
Conc: 500.00 ng/ml



#24 Chlordane-2

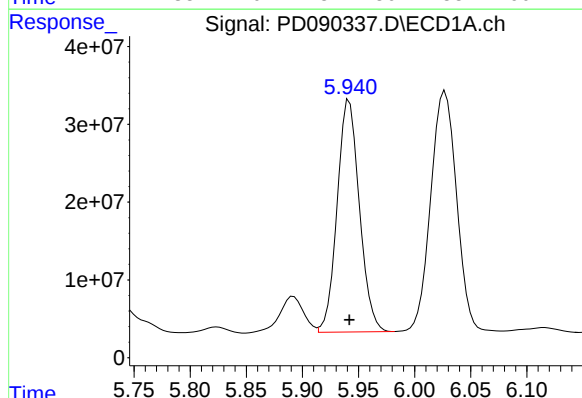
R.T.: 5.237 min
Delta R.T.: 0.000 min
Response: 102654028
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



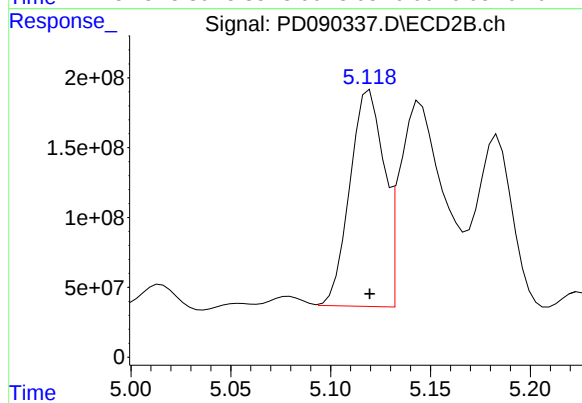
#24 Chlordane-2

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 605583802
Conc: 500.00 ng/ml



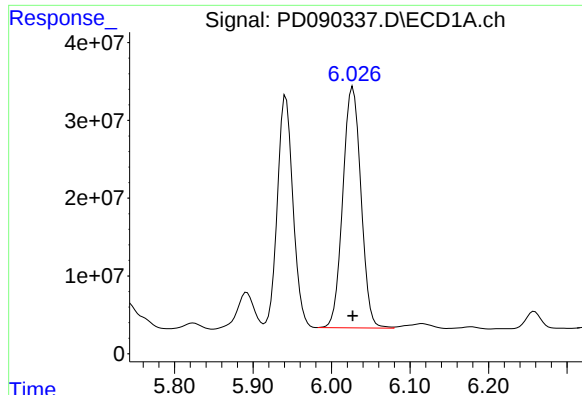
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 412476317
Conc: 500.00 ng/ml



#25 Chlordane-3

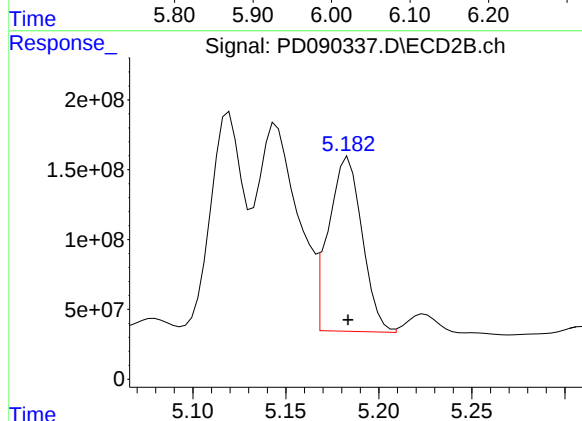
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1831272976
Conc: 500.00 ng/ml



#26 Chlordane-4

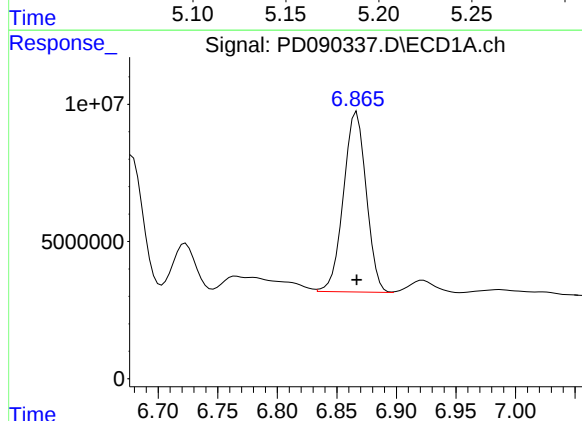
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 498703694
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



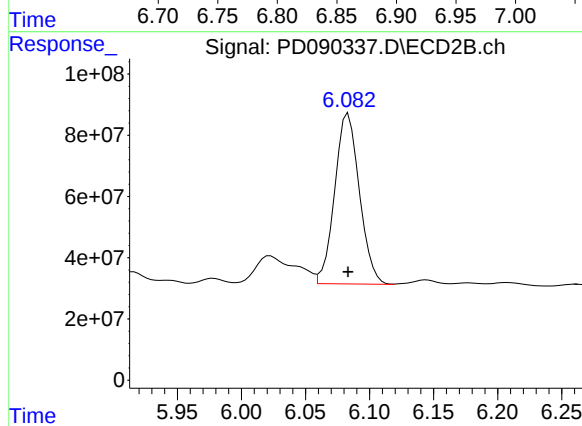
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1568903491
Conc: 500.00 ng/ml



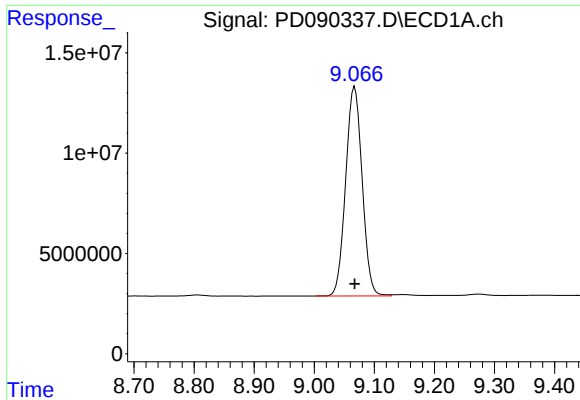
#27 Chlordane-5

R.T.: 6.867 min
Delta R.T.: 0.000 min
Response: 87350033
Conc: 500.00 ng/ml



#27 Chlordane-5

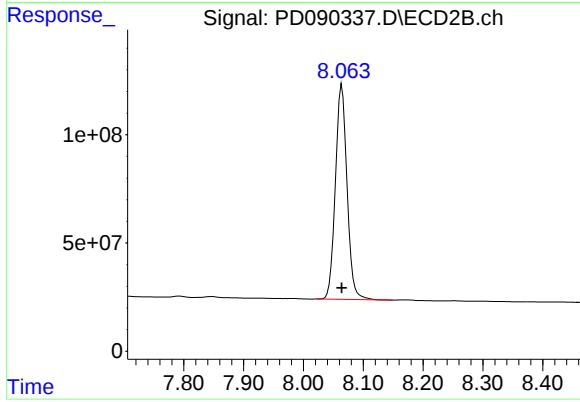
R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 746286612
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 198117827
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1343469412
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:12
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:45:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

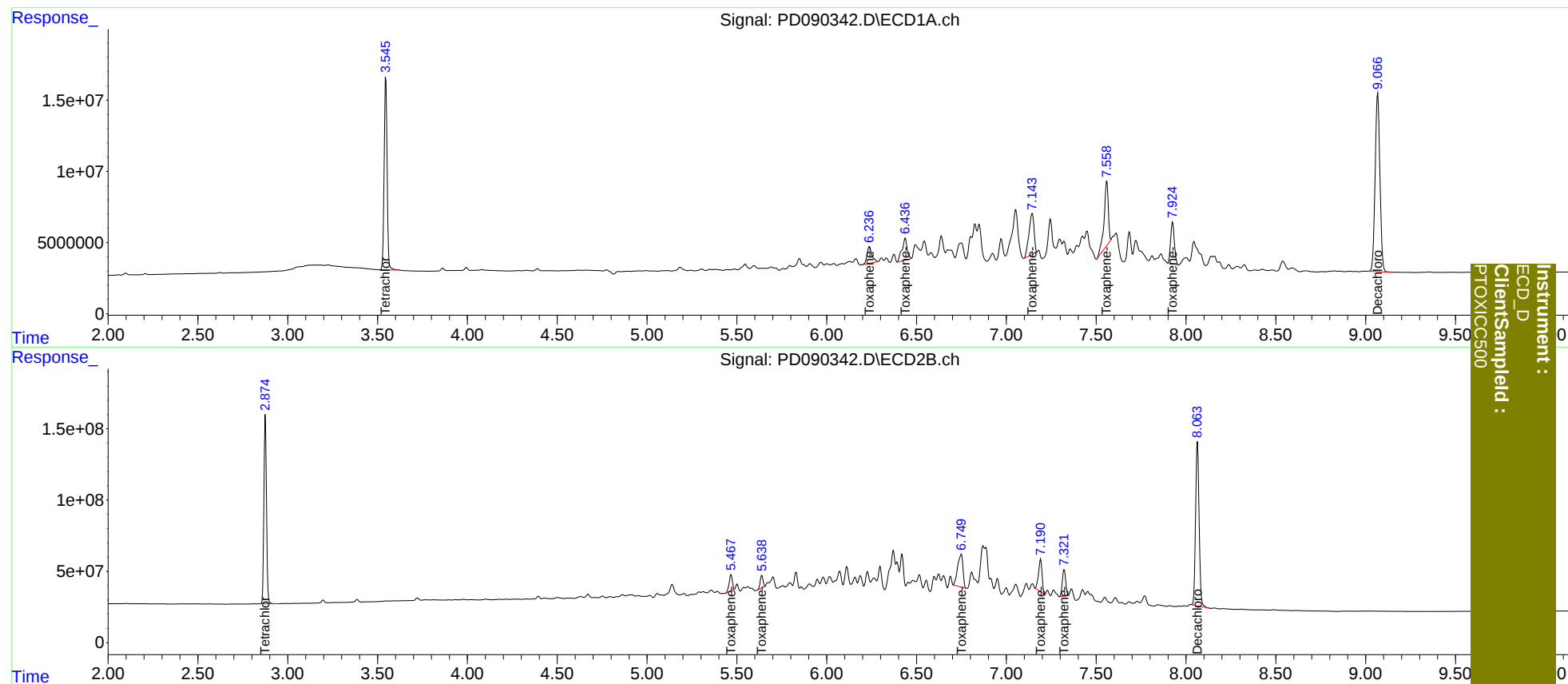
System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.875	154.0E6	1316.4E6	50.000	50.000
7) SA Decachlor...	9.067	8.064	232.3E6	1556.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.468	22194102	139.0E6	500.000	500.000
3) Toxaphene-2	6.438	5.639	30241683	93586595	500.000	500.000
4) Toxaphene-3	7.144	6.750	56828768	470.3E6	500.000	500.000
5) Toxaphene-4	7.559	7.191	73223973	311.4E6	500.000	500.000
6) Toxaphene-5	7.926	7.322	41700188	239.5E6	500.000	500.000

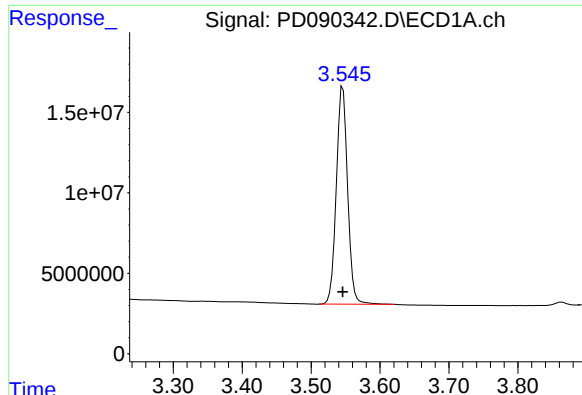
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:12
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:45:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

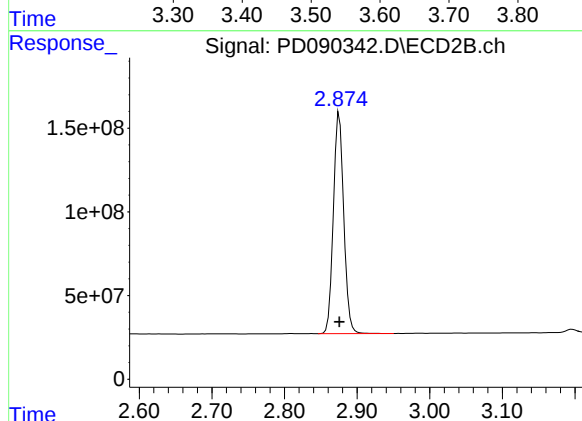




#1 Tetrachloro-m-xylene

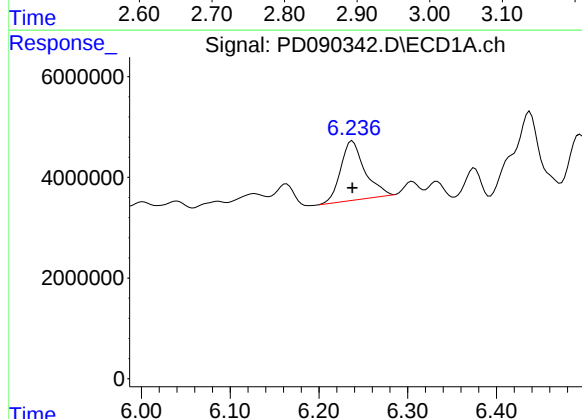
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 153969336
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



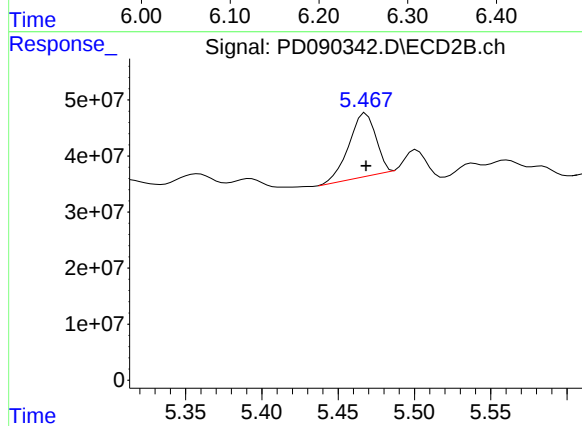
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1316372043
Conc: 50.00 ng/ml



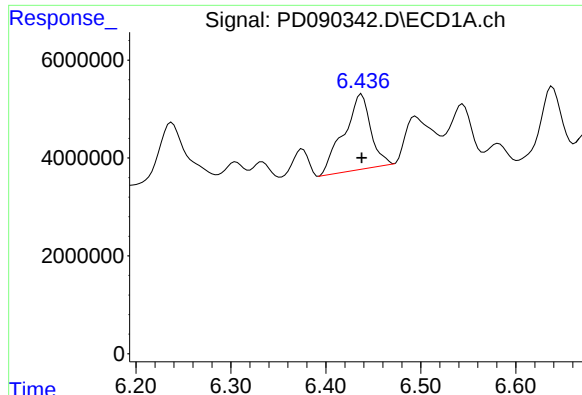
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 22194102
Conc: 500.00 ng/ml



#2 Toxaphene-1

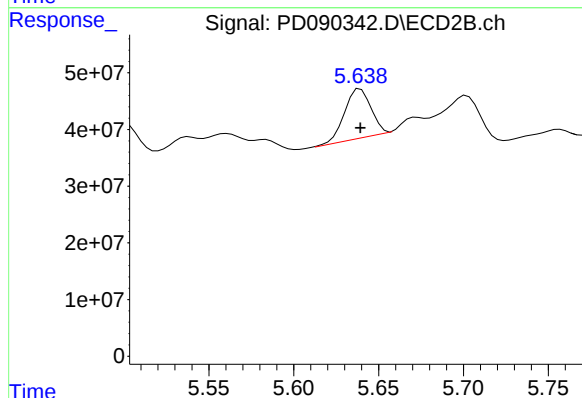
R.T.: 5.468 min
Delta R.T.: 0.000 min
Response: 138992222
Conc: 500.00 ng/ml



#3 Toxaphene-2

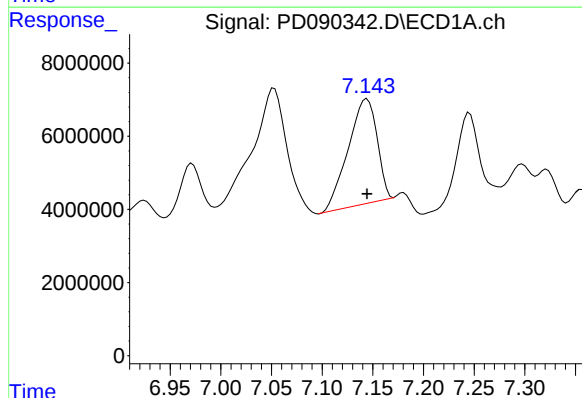
R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 30241683
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



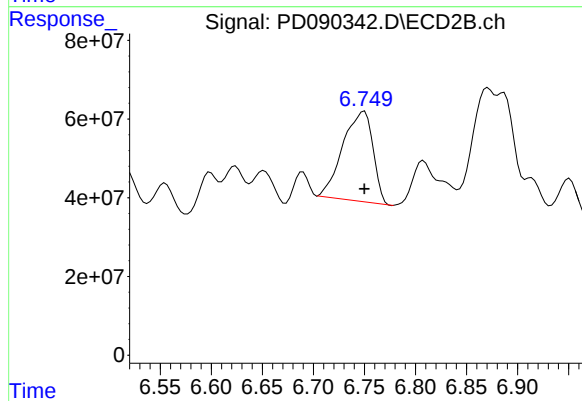
#3 Toxaphene-2

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 93586595
Conc: 500.00 ng/ml



#4 Toxaphene-3

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 56828768
Conc: 500.00 ng/ml



#4 Toxaphene-3

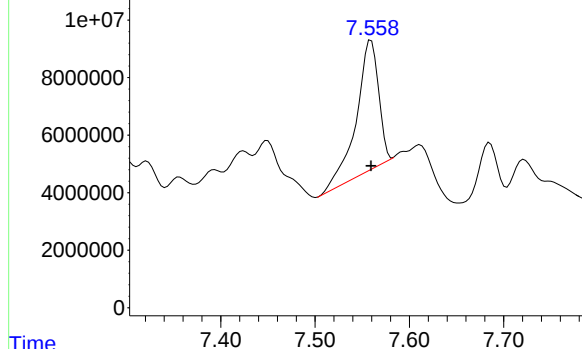
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 470296394
Conc: 500.00 ng/ml

Response_ Signal: PD090342.D\ECD1A.ch

#5 Toxaphene-4

R.T.: 7.559 min
Delta R.T.: 0.000 min
Response: 73223973
Conc: 500.00 ng/ml

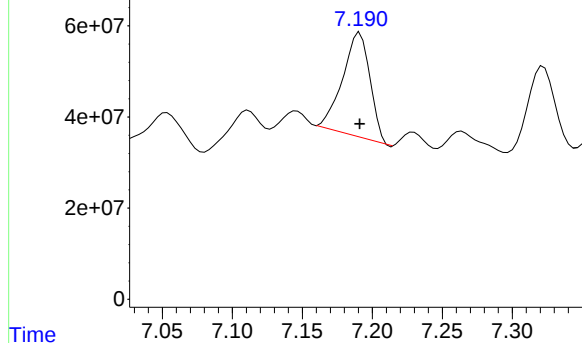
Instrument :
ECD_D
ClientSampleId :
PTOXICC500



Time Response_ Signal: PD090342.D\ECD2B.ch

#5 Toxaphene-4

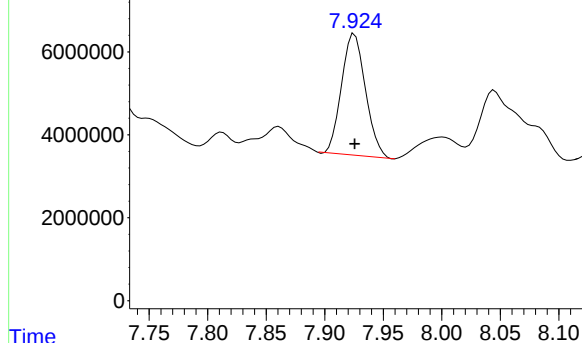
R.T.: 7.191 min
Delta R.T.: 0.000 min
Response: 311384389
Conc: 500.00 ng/ml



Time Response_ Signal: PD090342.D\ECD1A.ch

#6 Toxaphene-5

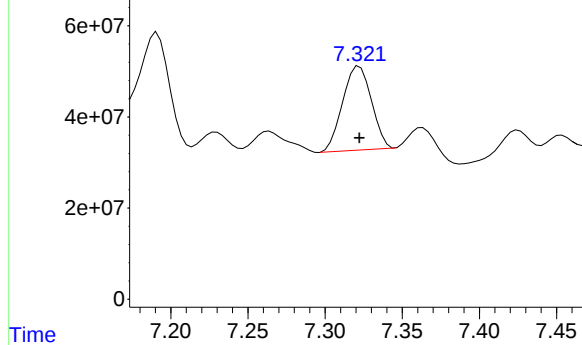
R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 41700188
Conc: 500.00 ng/ml



Time Response_ Signal: PD090342.D\ECD2B.ch

#6 Toxaphene-5

R.T.: 7.322 min
Delta R.T.: 0.000 min
Response: 239530893
Conc: 500.00 ng/ml

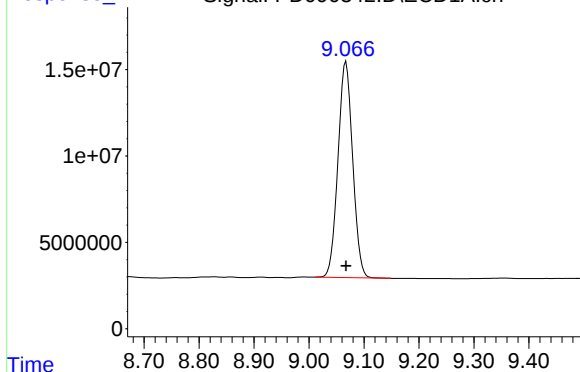


Response_

Signal: PD090342.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 232275171
Conc: 50.00 ng/ml

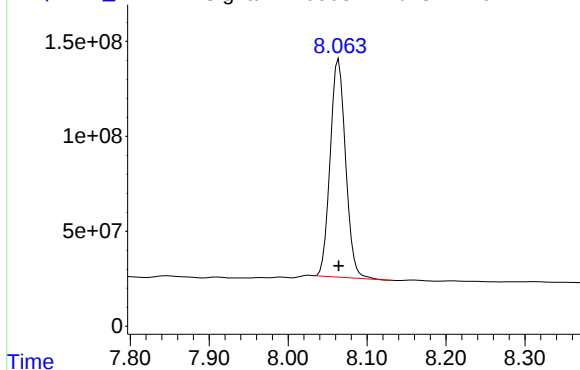
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090342.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1556333824
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:53
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	157.4E6	1319.9E6	48.428	48.082
28)	SA Decachlor...	9.067	8.064	233.8E6	1568.0E6	48.465	48.375
Target Compounds							
2)	A alpha-BHC	3.996	3.388	351.7E6	2123.5E6	50.350	48.500
3)	MA gamma-BHC...	4.326	3.724	330.8E6	1969.8E6	49.987	48.355
4)	MA Heptachlor	4.925	4.076	325.8E6	1968.1E6	49.274	48.335
5)	MB Aldrin	5.266	4.362	315.4E6	1930.2E6	49.669	48.334
6)	B beta-BHC	4.513	4.020	124.9E6	831.7E6	48.395	47.975
7)	B delta-BHC	4.760	4.256	323.6E6	2001.0E6	50.107m	48.457
8)	B Heptachlo...	5.687	4.866	279.1E6	1766.9E6	48.842	47.930
9)	A Endosulfan I	6.070	5.240	265.5E6	1670.3E6	49.149	48.268
10)	B gamma-Chl...	5.942	5.119	282.7E6	1894.5E6	49.490	48.224
11)	B alpha-Chl...	6.023	5.183	283.5E6	1815.3E6	49.204	48.195
12)	B 4,4'-DDE	6.192	5.368	259.4E6	1854.9E6	49.812	48.458
13)	MA Dieldrin	6.343	5.506	286.4E6	1884.9E6	49.683	48.397
14)	MA Endrin	6.570	5.782	242.8E6	1721.2E6	49.612	48.036
15)	B Endosulfa...	6.782	6.074	246.0E6	1633.1E6	50.439	48.386
16)	A 4,4'-DDD	6.702	5.923	204.5E6	1574.5E6	49.914	48.554
17)	MA 4,4'-DDT	7.017	6.177	223.7E6	1690.5E6	50.245	49.173
18)	B Endrin al...	6.912	6.252	171.2E6	1146.7E6	49.898	48.698
19)	B Endosulfa...	7.146	6.476	226.4E6	1576.6E6	49.206	48.229
20)	A Methoxychlor	7.490	6.747	115.7E6	851.6E6	49.103	48.941
21)	B Endrin ke...	7.626	6.985	244.7E6	1750.8E6	49.463	48.494
22)	Mirex	8.109	7.178	179.2E6	1323.1E6	48.364	47.928

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

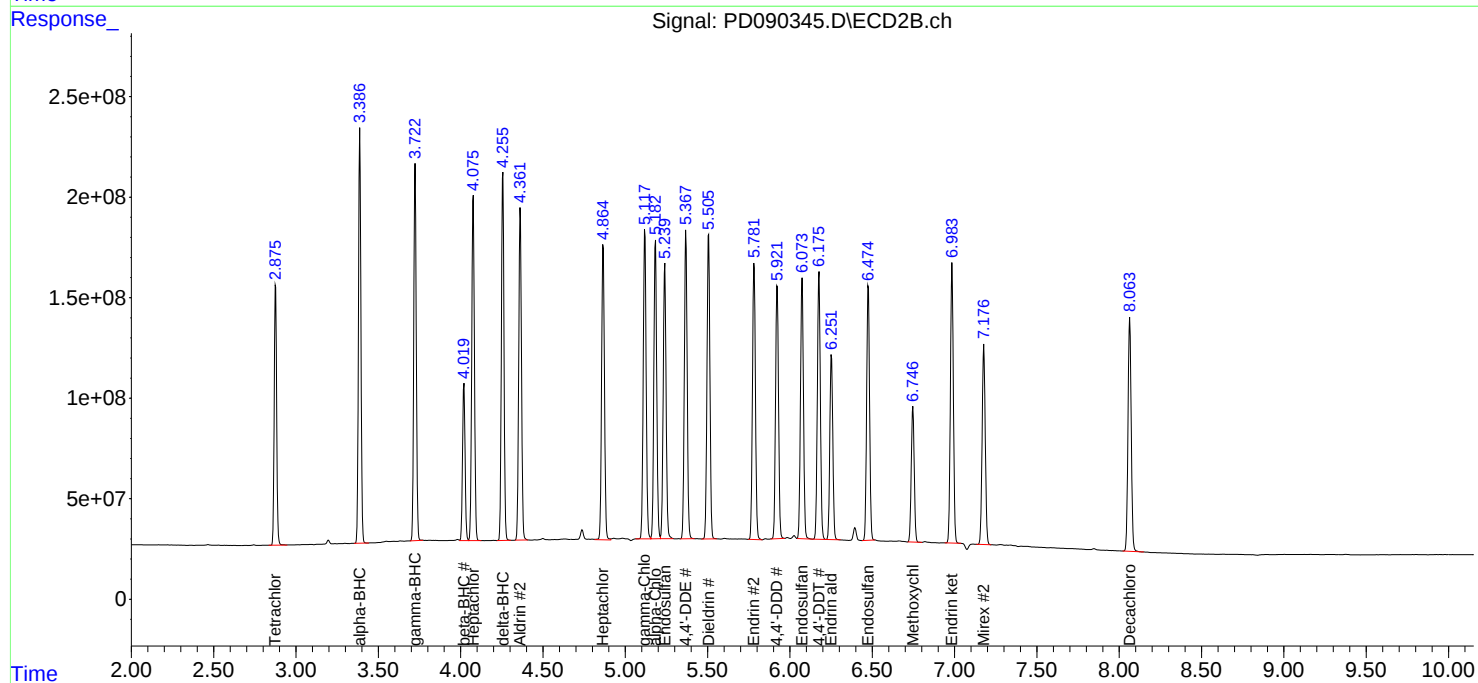
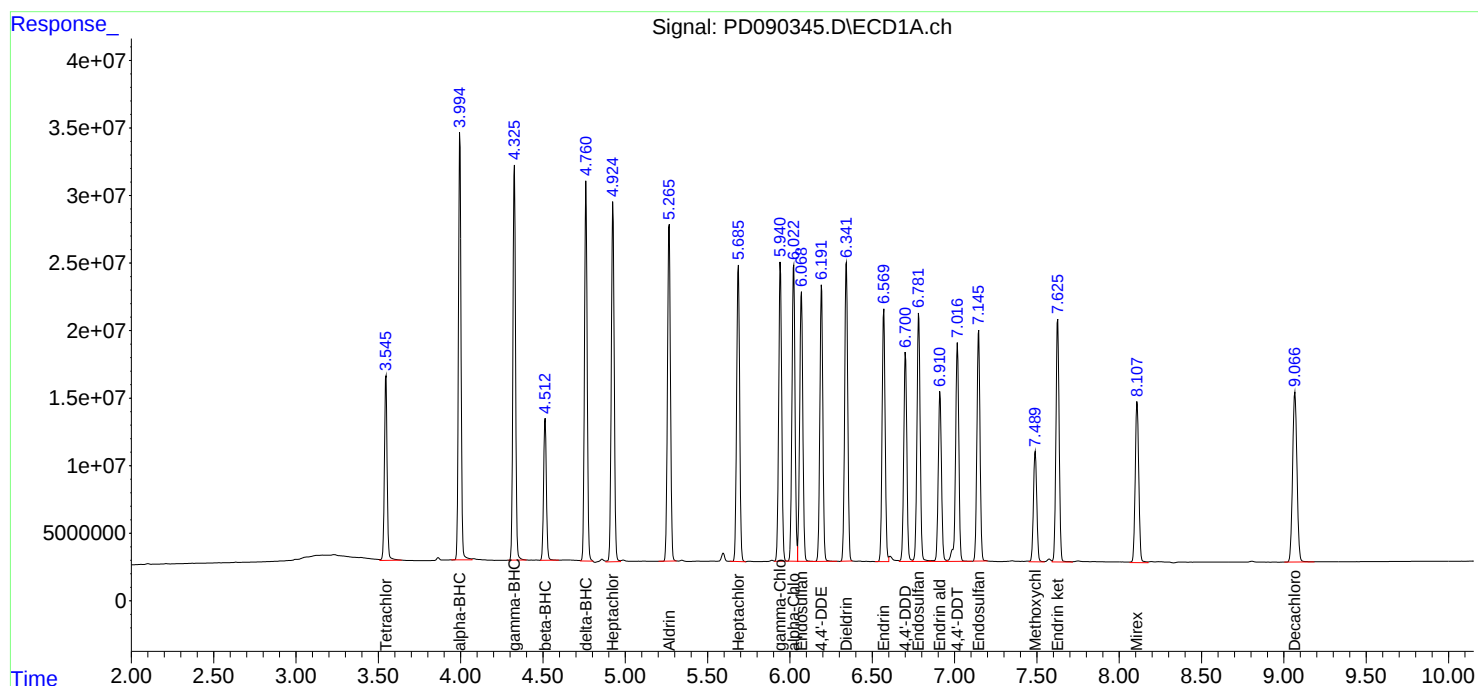
APPROVED

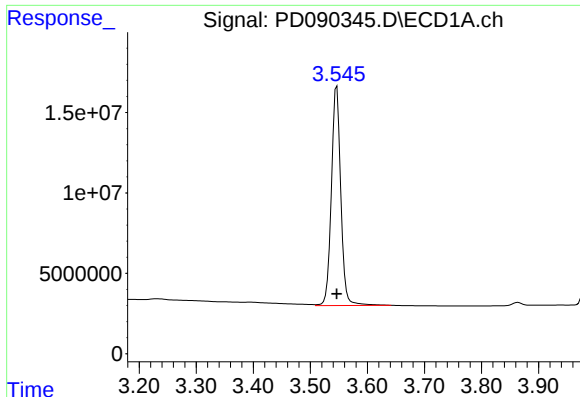
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 157413113
Conc: 48.43 ng/ml

Instrument :

ECD_D

ClientSampleId :

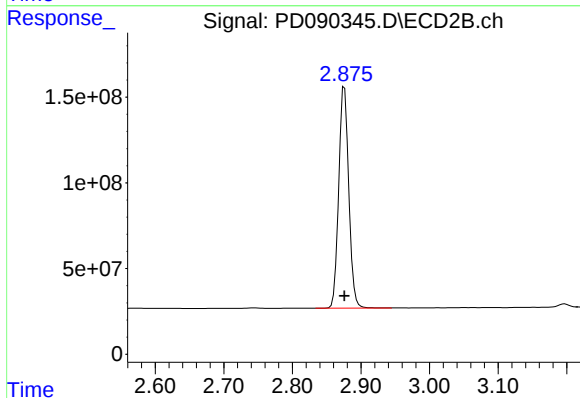
ICVPD091825

Manual Integrations

APPROVED

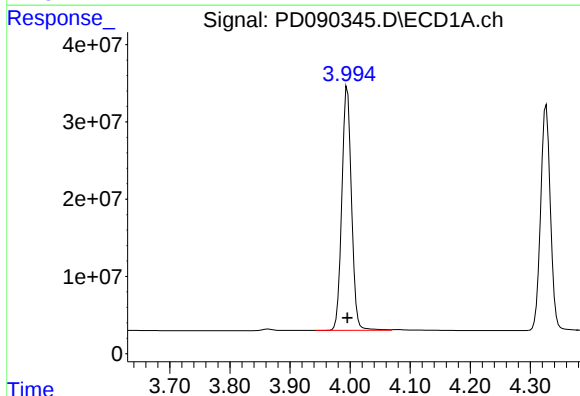
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



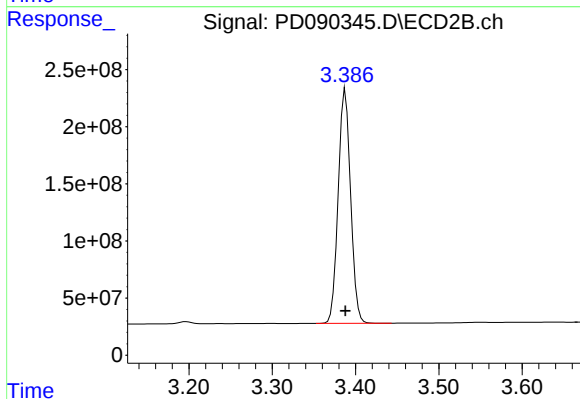
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1319858225
Conc: 48.08 ng/ml



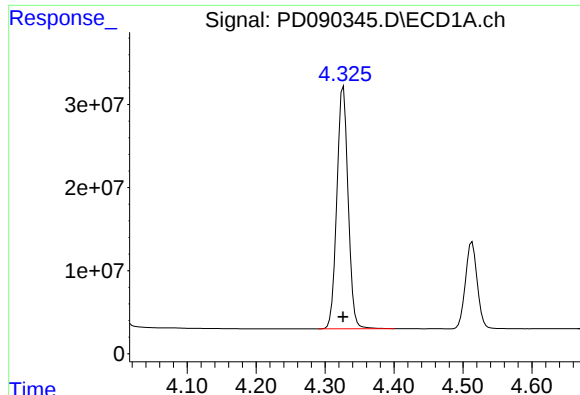
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 351672463
Conc: 50.35 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2123467422
Conc: 48.50 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 330754836
Conc: 49.99 ng/ml

Instrument :

ECD_D

ClientSampleId :

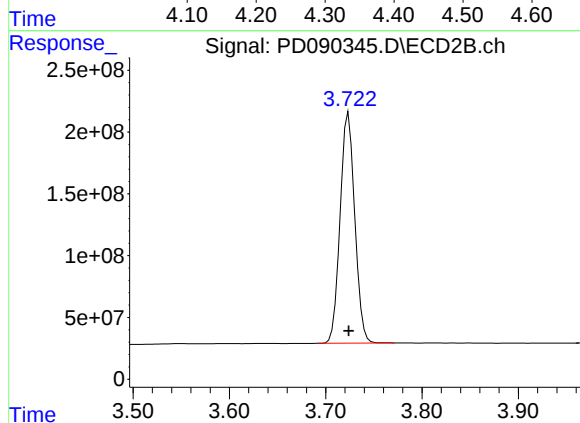
ICVPD091825

Manual Integrations

APPROVED

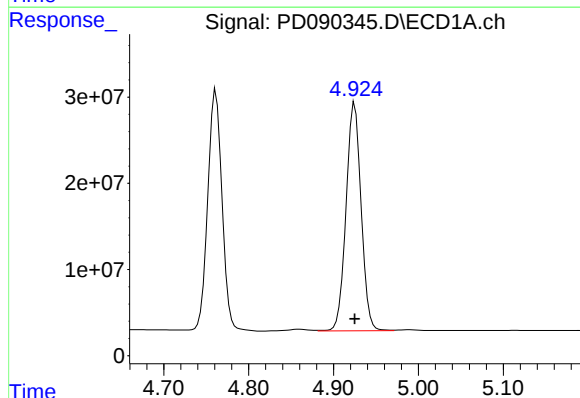
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



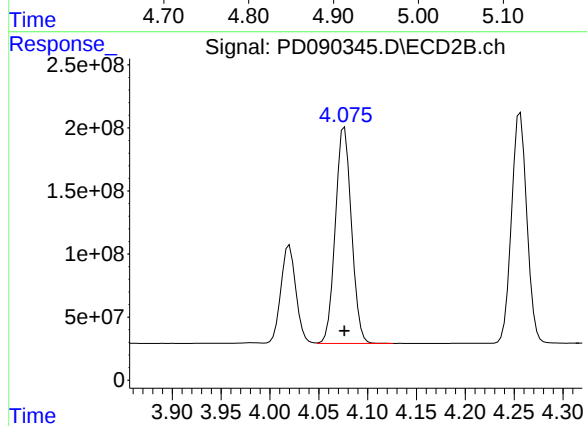
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1969783030
Conc: 48.36 ng/ml



#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 325824904
Conc: 49.27 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1968050598
Conc: 48.34 ng/ml

Response_ Signal: PD090345.D\ECD1A.ch

#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 315396598
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Time

Response_ Signal: PD090345.D\ECD2B.ch

#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1930232675
Conc: 48.33 ng/ml

Time

Response_ Signal: PD090345.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 124855306
Conc: 48.40 ng/ml

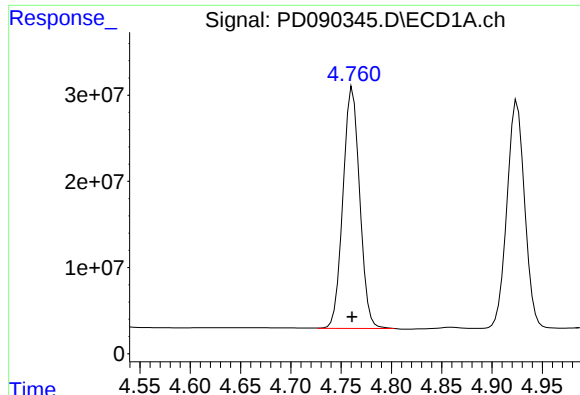
Time

Response_ Signal: PD090345.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 831670051
Conc: 47.98 ng/ml

Time



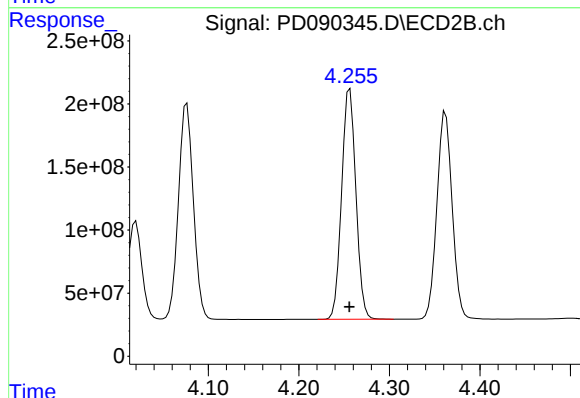
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 323567931
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

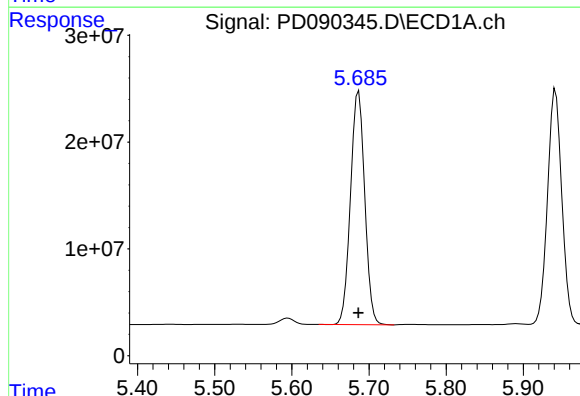
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



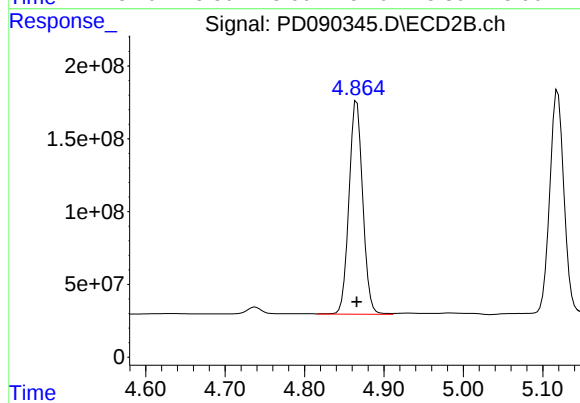
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2001014319
Conc: 48.46 ng/ml



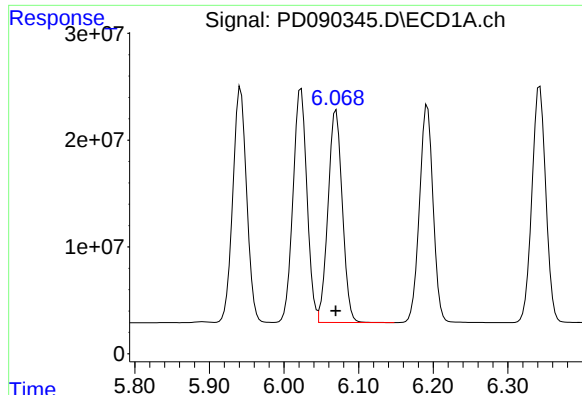
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 279128697
Conc: 48.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1766937728
Conc: 47.93 ng/ml



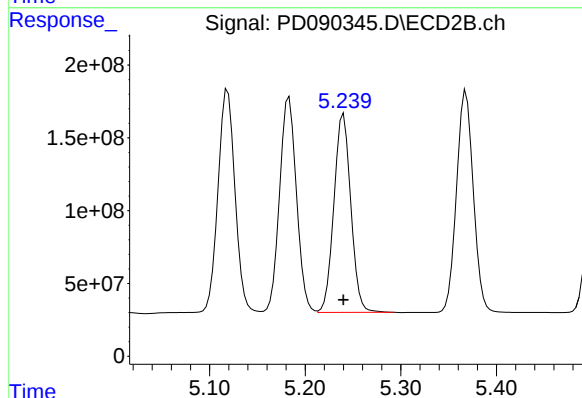
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 265478209
Conc: 49.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

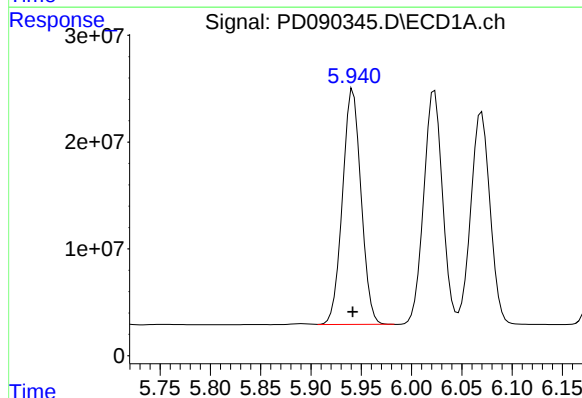
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



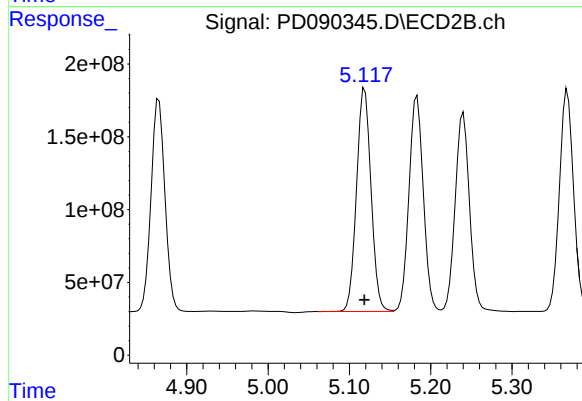
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1670315014
Conc: 48.27 ng/ml



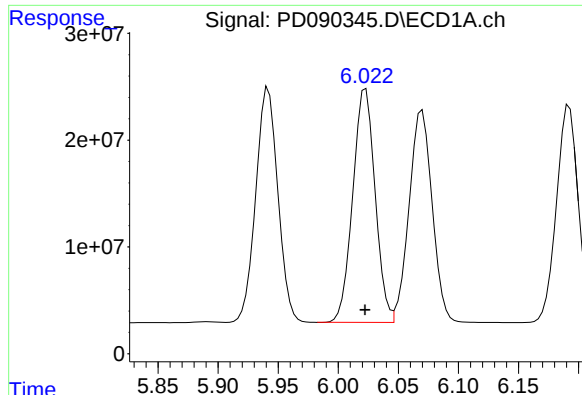
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 282683808
Conc: 49.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 1894544450
Conc: 48.22 ng/ml



#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 283456257
Conc: 49.20 ng/ml

Instrument :

ECD_D

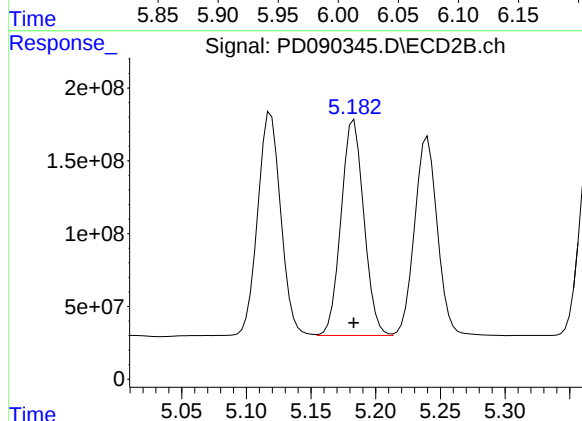
ClientSampleId :

ICVPD091825

Manual Integrations

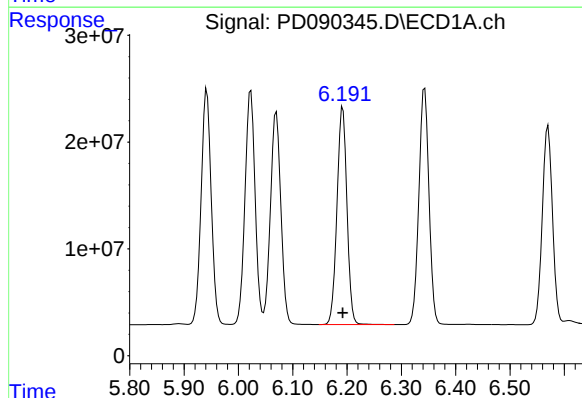
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



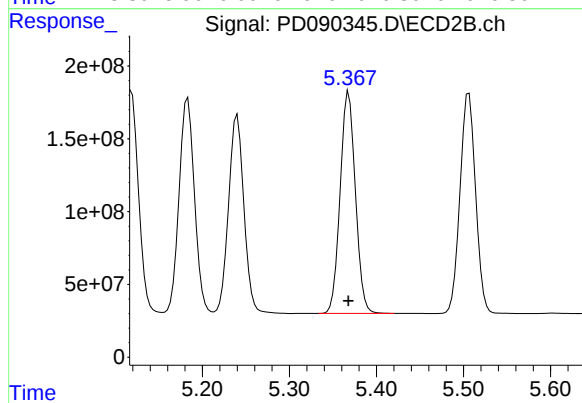
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1815289301
Conc: 48.20 ng/ml



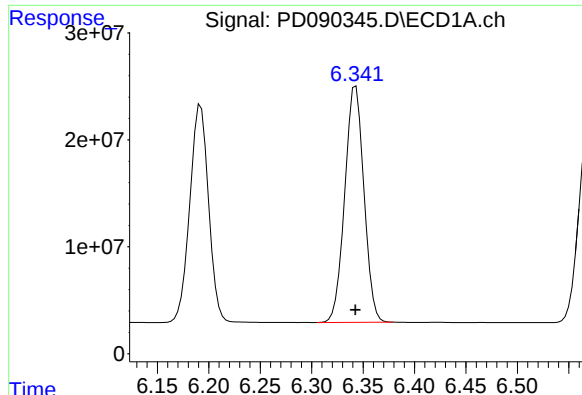
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 259396167
Conc: 49.81 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1854938581
Conc: 48.46 ng/ml



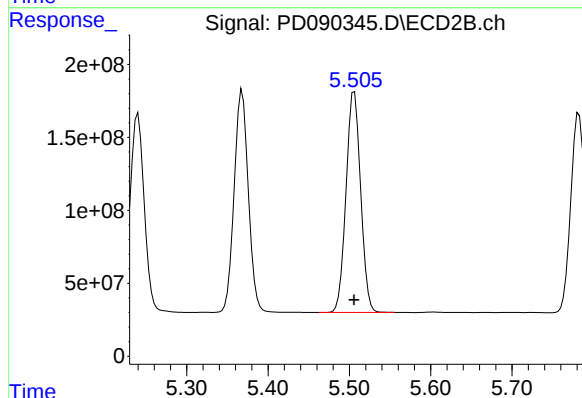
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 286409762
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

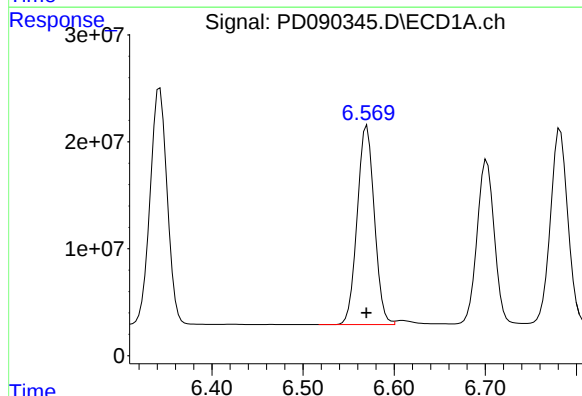
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



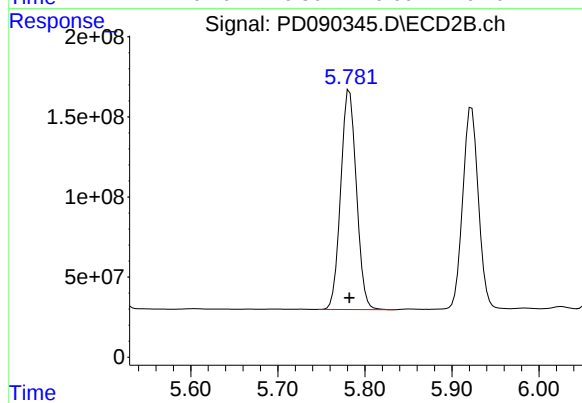
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1884878134
Conc: 48.40 ng/ml



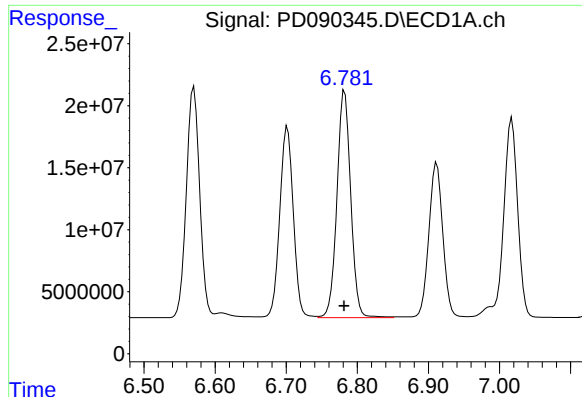
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 242799500
Conc: 49.61 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1721220273
Conc: 48.04 ng/ml



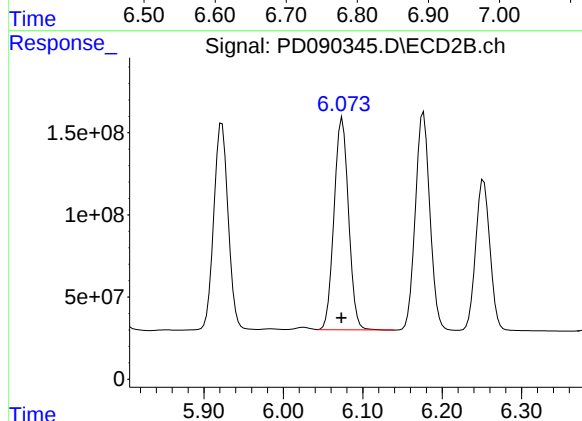
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 246031158
Conc: 50.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

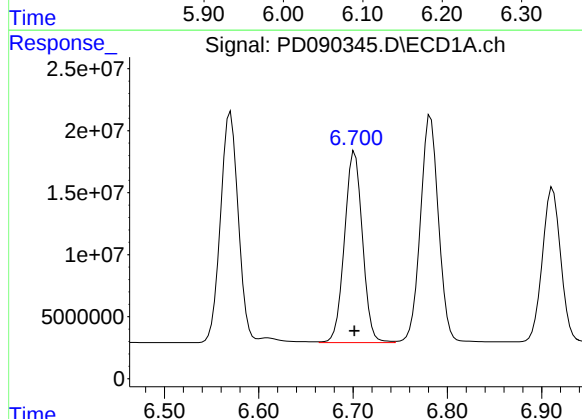
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



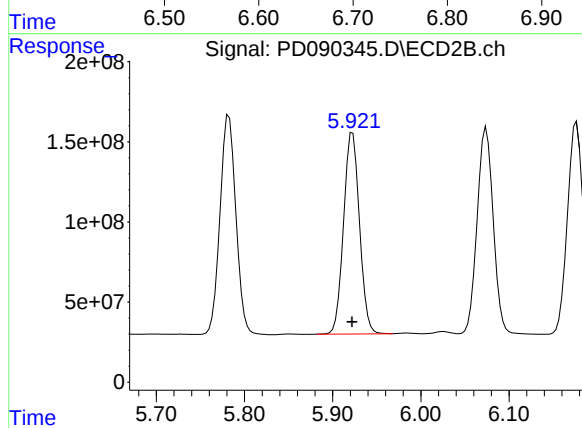
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 1633051126
Conc: 48.39 ng/ml



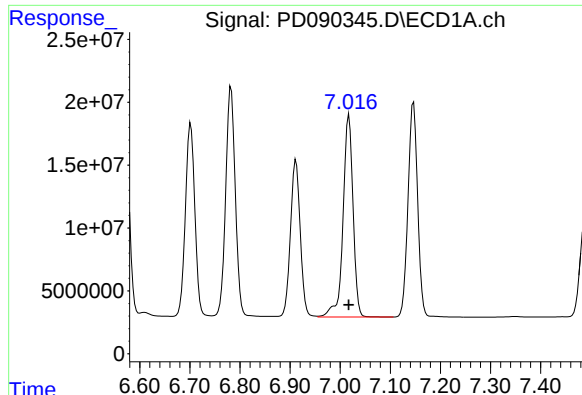
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 204539231
Conc: 49.91 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1574503119
Conc: 48.55 ng/ml



#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 223714000
Conc: 50.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

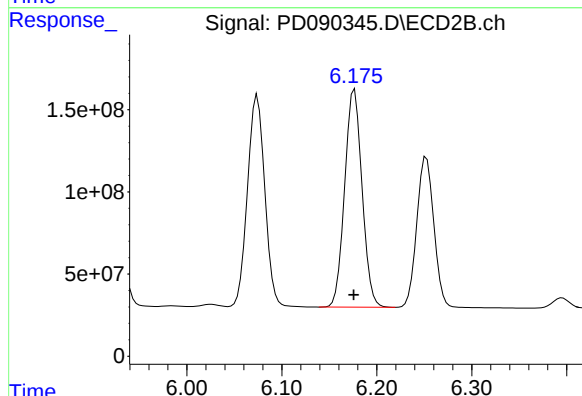
ICVPD091825

Manual Integrations

APPROVED

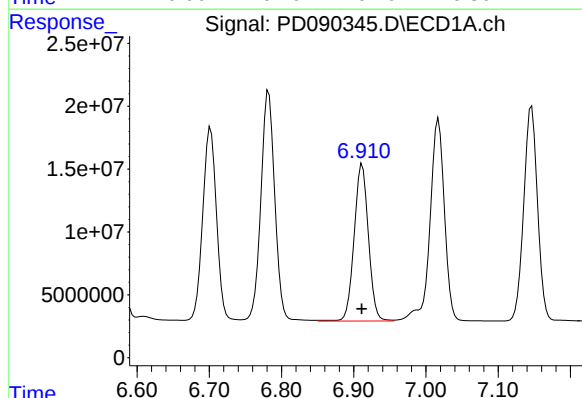
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



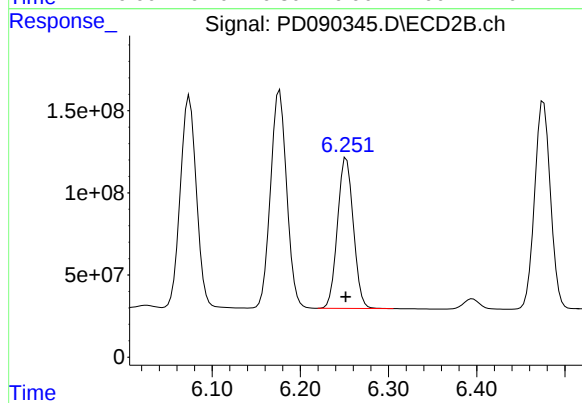
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1690511871
Conc: 49.17 ng/ml



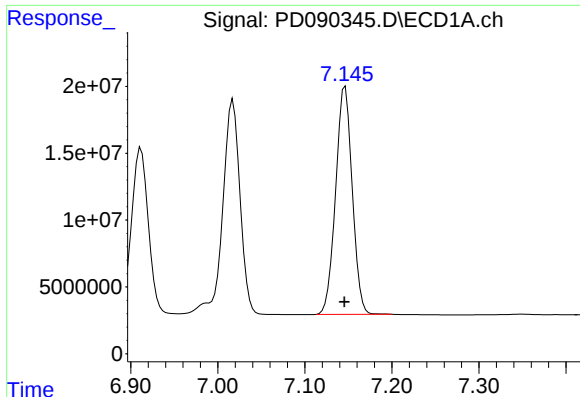
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 171178463
Conc: 49.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1146694142
Conc: 48.70 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 226366313
Conc: 49.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

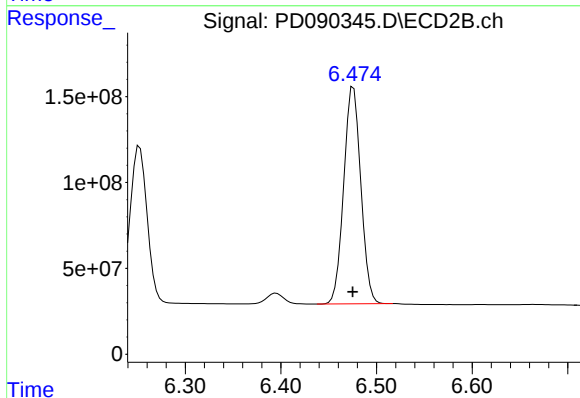
ICVPD091825

Manual Integrations

APPROVED

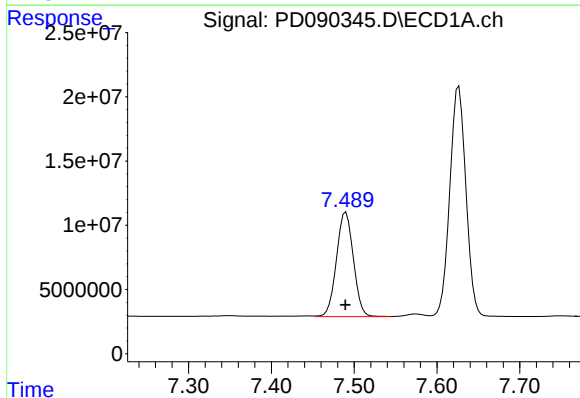
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



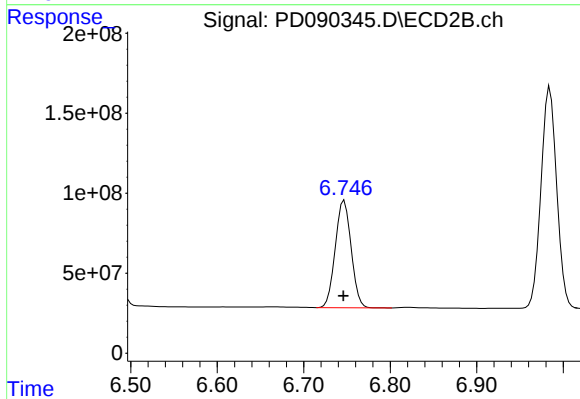
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1576624962
Conc: 48.23 ng/ml



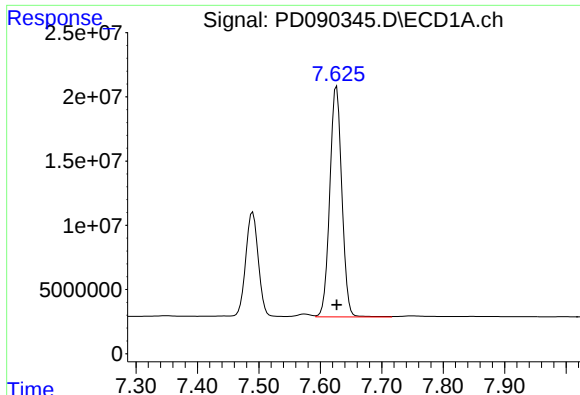
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 115712185
Conc: 49.10 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 851594817
Conc: 48.94 ng/ml



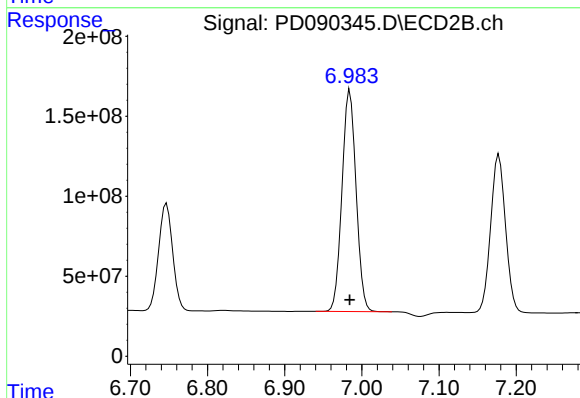
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 244709672
Conc: 49.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

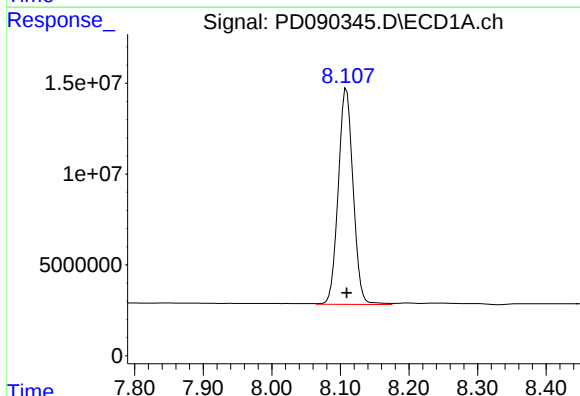
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



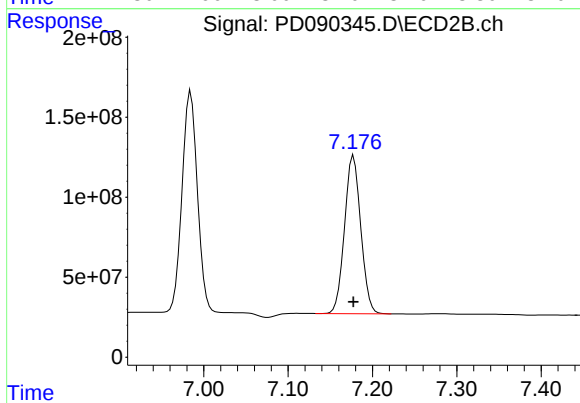
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1750763949
Conc: 48.49 ng/ml



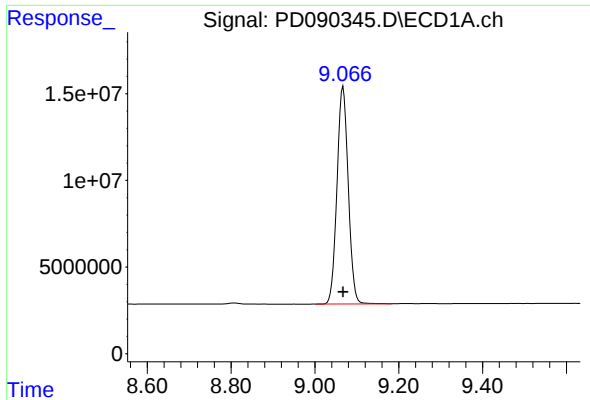
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 179182889
Conc: 48.36 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1323097558
Conc: 47.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 233844097
Conc: 48.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

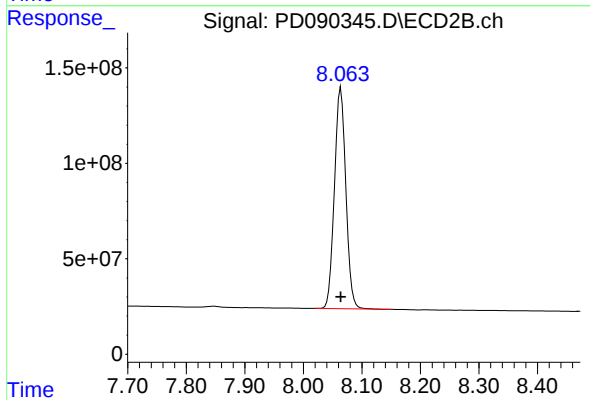
ICVPD091825

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1568046483
Conc: 48.37 ng/ml

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3176</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>17:06</u> <u>18:00</u>

 GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PL097271.D</u>	RT 075 = <u>PL097272.D</u>
RT 050 = <u>PL097273.D</u>	RT 025 = <u>PL097274.D</u>	RT 005 = <u>PL097275.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
4,4'-DDE	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
4,4'-DDT	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
Aldrin	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
alpha-BHC	3.97	3.98	3.98	3.97	3.97	3.97	3.87	4.07
alpha-Chlordane	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
beta-BHC	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Decachlorobiphenyl	9.00	9.00	9.00	9.00	9.00	9.00	8.90	9.10
delta-BHC	4.74	4.74	4.74	4.74	4.73	4.73	4.63	4.83
Dieldrin	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Endosulfan I	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Endosulfan II	6.75	6.75	6.75	6.75	6.74	6.75	6.65	6.85
Endosulfan sulfate	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Endrin	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Endrin aldehyde	6.87	6.88	6.87	6.88	6.87	6.87	6.77	6.97
Endrin ketone	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
gamma-BHC (Lindane)	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
gamma-Chlordane	5.91	5.91	5.91	5.91	5.91	5.91	5.81	6.01
Heptachlor	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Heptachlor epoxide	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Methoxychlor	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
Tetrachloro-m-xylene	3.53	3.53	3.53	3.53	3.53	3.53	3.43	3.63

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3176</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>17:06</u> <u>18:00</u>

 GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PL097271.D</u>	RT 075 = <u>PL097272.D</u>
RT 050 = <u>PL097273.D</u>	RT 025 = <u>PL097274.D</u>	RT 005 = <u>PL097275.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
4,4'-DDE	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
4,4'-DDT	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aldrin	4.29	4.29	4.29	4.29	4.29	4.29	4.19	4.39
alpha-BHC	3.33	3.33	3.33	3.33	3.33	3.33	3.23	3.43
alpha-Chlordane	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
beta-BHC	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Decachlorobiphenyl	7.98	7.99	7.98	7.98	7.98	7.98	7.88	8.08
delta-BHC	4.19	4.19	4.19	4.19	4.19	4.19	4.09	4.29
Dieldrin	5.43	5.43	5.43	5.43	5.43	5.43	5.33	5.53
Endosulfan I	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Endosulfan II	5.99	6.00	6.00	6.00	5.99	5.99	5.89	6.09
Endosulfan sulfate	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endrin	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Endrin aldehyde	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Endrin ketone	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
gamma-BHC (Lindane)	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
gamma-Chlordane	5.04	5.05	5.05	5.05	5.04	5.04	4.94	5.14
Heptachlor	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Heptachlor epoxide	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Methoxychlor	6.67	6.67	6.67	6.68	6.67	6.67	6.57	6.77
Tetrachloro-m-xylene	2.82	2.82	2.82	2.82	2.82	2.82	2.72	2.92

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L

Contract: ROYF02
SDG NO.: Q3176
Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 17:06 18:00

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL097271.D	CF 075 =	PL097272.D		
CF 050 =		PL097273.D	CF 025 =	PL097274.D	CF 005 =	PL097275.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3890970000	3788420000	3762720000	3580660000	3829940000	3770540000	3
4,4'-DDE	4963980000	4819990000	4737070000	4512820000	4789690000	4764710000	3
4,4'-DDT	4402840000	4274830000	4245340000	4064150000	4148830000	4227200000	3
Aldrin	6552430000	6368880000	6295000000	6072640000	6380380000	6333870000	3
alpha-BHC	7433460000	7150430000	7020140000	6635730000	6697400000	6987430000	5
alpha-Chlordane	5728330000	5597580000	5593620000	5491270000	5988720000	5679910000	3
beta-BHC	2691590000	2641310000	2679400000	2673590000	2945030000	2726180000	5
Decachlorobiphenyl	3151670000	3121880000	3187620000	3242730000	3657150000	3272210000	7
delta-BHC	6408970000	6173000000	6129940000	5874830000	5754960000	6068340000	4
Dieldrin	5667980000	5504780000	5450620000	5257570000	5529790000	5482150000	3
Endosulfan I	5248570000	5119040000	5121050000	5001710000	5416320000	5181340000	3
Endosulfan II	4694590000	4637630000	4774680000	4729590000	5755250000	4918350000	10
Endosulfan sulfate	4084400000	3990510000	4020090000	3958010000	4360620000	4082720000	4
Endrin	4777540000	4640970000	4618310000	4356250000	4672620000	4613140000	3
Endrin aldehyde	3035530000	2997840000	3059200000	3036470000	3285020000	3082810000	4
Endrin ketone	4296460000	4191230000	4224850000	4117820000	4391400000	4244350000	2
gamma-BHC (Lindane)	6940420000	6699850000	6593990000	6320490000	6510990000	6613150000	3
gamma-Chlordane	5793040000	5651990000	5610580000	5462080000	5749930000	5653520000	2
Heptachlor	6809100000	6621120000	6608040000	6426970000	6885270000	6670100000	3
Heptachlor epoxide	5764160000	5655320000	5756800000	5829540000	5728960000	5746960000	1
Methoxychlor	2052960000	2027370000	2062620000	2055200000	2228740000	2085380000	4
Tetrachloro-m-xylene	4554070000	4459430000	4465020000	4402740000	4754560000	4527160000	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L

Contract: ROYF02
SDG NO.: Q3176

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 17:06 18:00

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL097271.D	CF 075 =	PL097272.D		
CF 050 =		PL097273.D	CF 025 =	PL097274.D	CF 005 =	PL097275.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	6589410000	6442790000	6358010000	6264340000	6590870000	6449080000	2
4,4'-DDE	7911410000	7746610000	7699440000	7406140000	7660040000	7684730000	2
4,4'-DDT	7190090000	7022180000	6972860000	6696570000	6720750000	6920490000	3
Aldrin	8860980000	8673260000	8661660000	8404070000	8796570000	8679310000	2
alpha-BHC	10445300000	10099800000	10014300000	9556100000	9672320000	9957580000	4
alpha-Chlordane	8274780000	8189370000	8245060000	8242520000	8550750000	8300500000	2
beta-BHC	3970220000	3899800000	3948240000	3983880000	4508040000	4062030000	6
Decachlorobiphenyl	5360550000	5307930000	5459740000	5623180000	6706450000	5691570000	10
delta-BHC	9586460000	9293680000	9232620000	8834360000	9014090000	9192240000	3
Dieldrin	8251310000	8119720000	8132170000	7909230000	8471500000	8176790000	3
Endosulfan I	7387320000	7345100000	7430480000	7454690000	8800570000	7683630000	8
Endosulfan II	6977690000	6911390000	6956920000	6938260000	7761900000	7109230000	5
Endosulfan sulfate	6664750000	6623680000	6716400000	6733120000	7510980000	6849790000	5
Endrin	7450260000	7335750000	7338920000	7289700000	8137930000	7510510000	5
Endrin aldehyde	4761890000	4756960000	4914450000	5156210000	7097510000	5337410000	19
Endrin ketone	7223190000	7153630000	7391340000	7391360000	8491940000	7530290000	7
gamma-BHC (Lindane)	9632950000	9373760000	9300450000	8991300000	9274840000	9314660000	2
gamma-Chlordane	8553830000	8490290000	8565810000	8624220000	9435120000	8733850000	5
Heptachlor	9299100000	9162550000	9216060000	9078210000	9769790000	9305140000	3
Heptachlor epoxide	7825700000	7749420000	7831840000	7763530000	8487220000	7931540000	4
Methoxychlor	3580590000	3582010000	3698660000	3768400000	4217720000	3769480000	7
Tetrachloro-m-xylene	6546800000	6457210000	6449880000	6384190000	7039690000	6575560000	4



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3176

Instrument ID: ECD_L Date(s) Analyzed: 09/18/2025 09/18/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.20	6.10	6.30	42075500
		2	6.60	6.50	6.70	33847100
		3	7.01	6.91	7.11	141900000
		4	7.11	7.01	7.21	105792000
		5	7.88	7.78	7.98	74166200



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3176

Instrument ID: ECD_L Date(s) Analyzed: 09/18/2025 09/18/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.07	4.97	5.17	42482700
		2	5.75	5.65	5.85	54918500
		3	6.03	5.93	6.13	57955900
		4	6.67	6.57	6.77	177984000
		5	7.11	7.01	7.21	109140000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:06
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:44:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.823	455.4E6	654.7E6	101.994	101.503
28)	SA Decachlor...	9.001	7.984	315.2E6	536.1E6	98.872	98.183
Target Compounds							
2)	A alpha-BHC	3.974	3.329	743.3E6	1044.5E6	105.888	104.303
3)	MA gamma-BHC...	4.302	3.660	694.0E6	963.3E6	105.254	103.575
4)	MA Heptachlor	4.893	4.008	680.9E6	929.9E6	103.043	100.901
5)	MB Aldrin	5.232	4.290	655.2E6	886.1E6	104.089	102.301
6)	B beta-BHC	4.489	3.956	269.2E6	397.0E6	100.455	100.557
7)	B delta-BHC	4.735	4.189	640.9E6	958.6E6	104.552	103.832
8)	B Heptachlo...	5.652	4.793	576.4E6	782.6E6	100.128	99.922
9)	A Endosulfan I	6.033	5.163	524.9E6	738.7E6	102.490	99.419
10)	B gamma-Chl...	5.905	5.044	579.3E6	855.4E6	103.252	99.860
11)	B alpha-Chl...	5.986	5.108	572.8E6	827.5E6	102.408	100.361
12)	B 4,4'-DDE	6.156	5.297	496.4E6	791.1E6	104.790	102.753
13)	MA Dieldrin	6.306	5.428	566.8E6	825.1E6	103.988	101.465
14)	MA Endrin	6.532	5.702	477.8E6	745.0E6	103.448	101.517
15)	B Endosulfa...	6.745	5.994	469.5E6	697.8E6	98.323	100.299
16)	A 4,4'-DDD	6.665	5.850	389.1E6	658.9E6	103.408	103.640
17)	MA 4,4'-DDT	6.979	6.102	440.3E6	719.0E6	103.710	103.115
18)	B Endrin al...	6.874	6.172	303.6E6	476.2E6	99.226	96.896
19)	B Endosulfa...	7.108	6.396	408.4E6	666.5E6	101.600	99.231
20)	A Methoxychlor	7.452	6.674	205.3E6	358.1E6	99.532	96.808
21)	B Endrin ke...	7.587	6.900	429.6E6	722.3E6	101.695	97.725
22)	Mirex	8.065	7.089	330.8E6	552.6E6	97.189	96.302

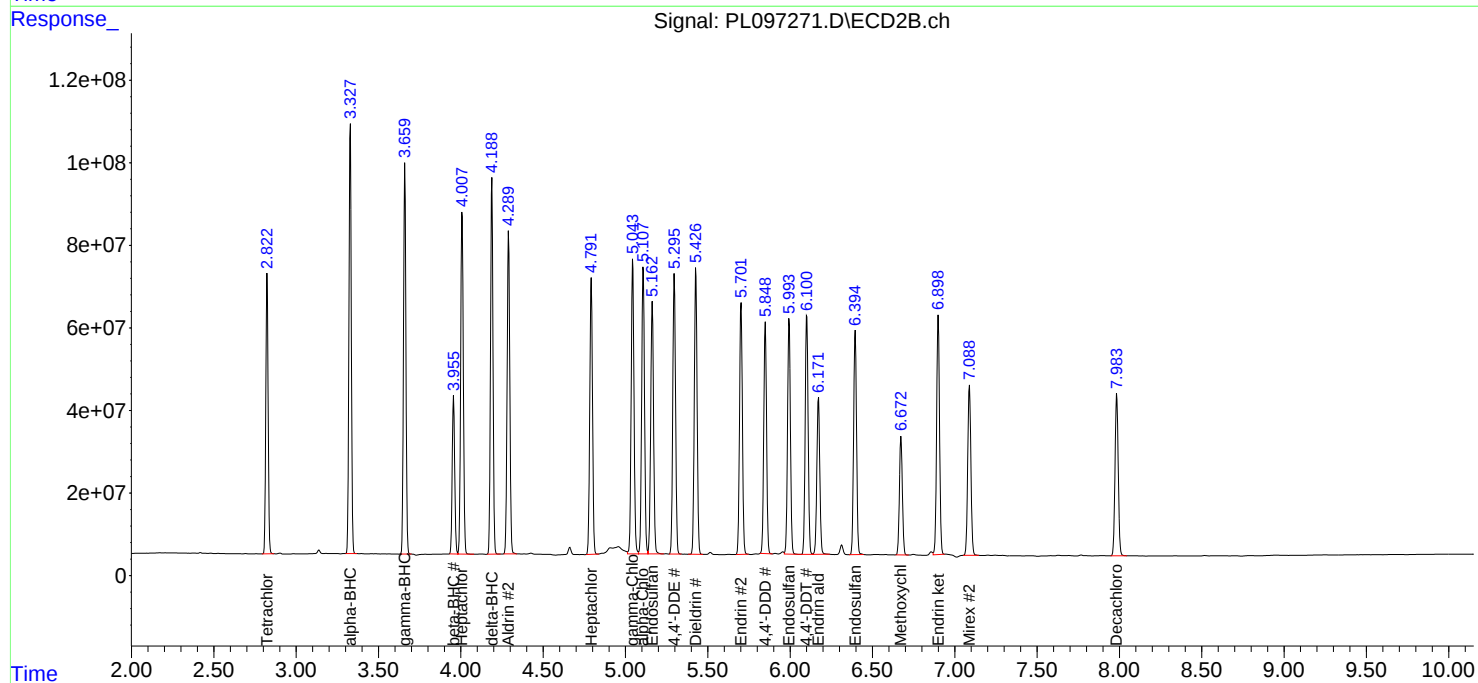
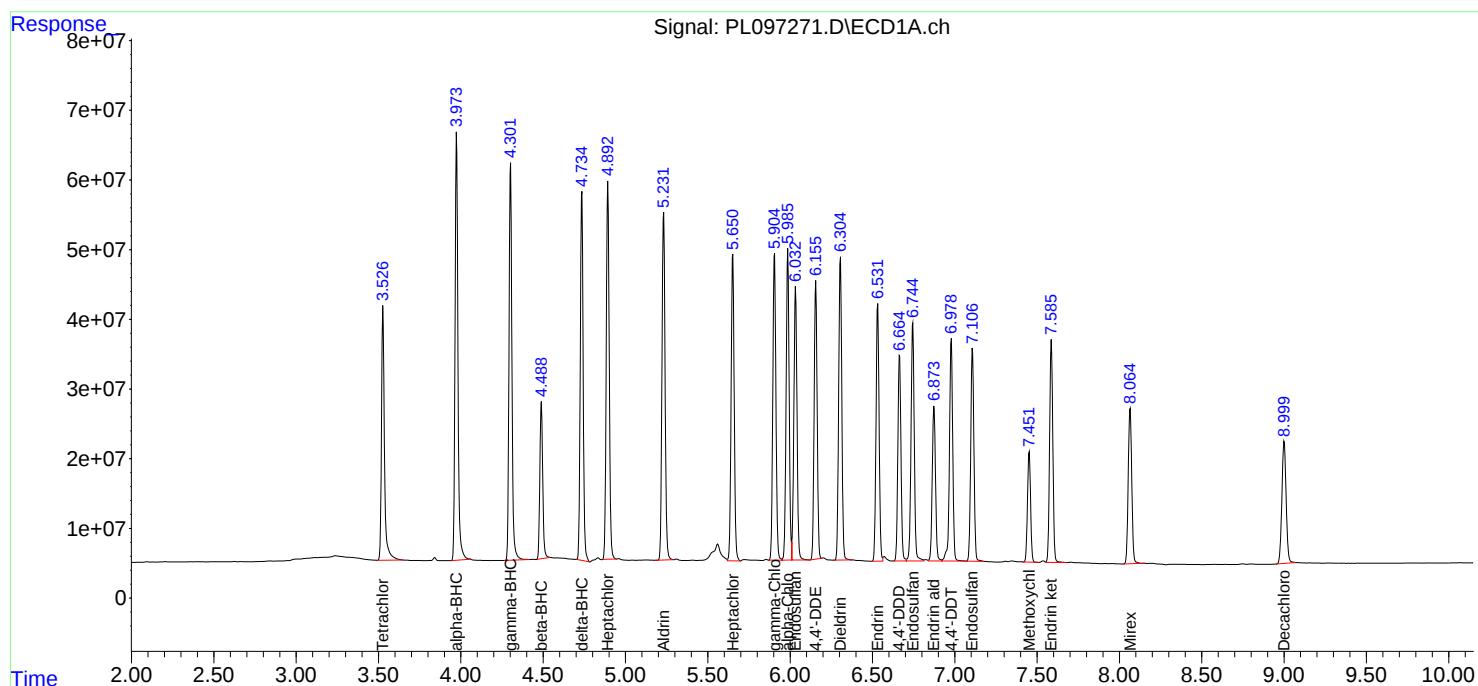
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

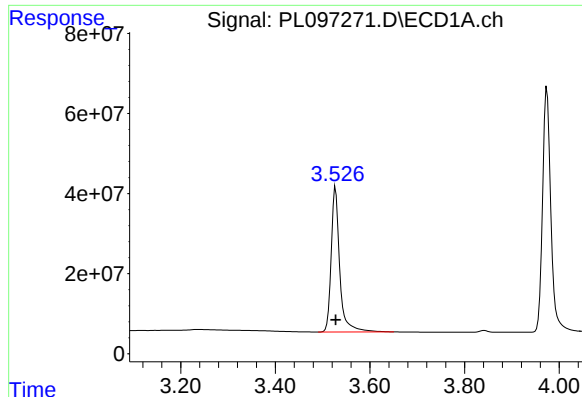
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:06
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

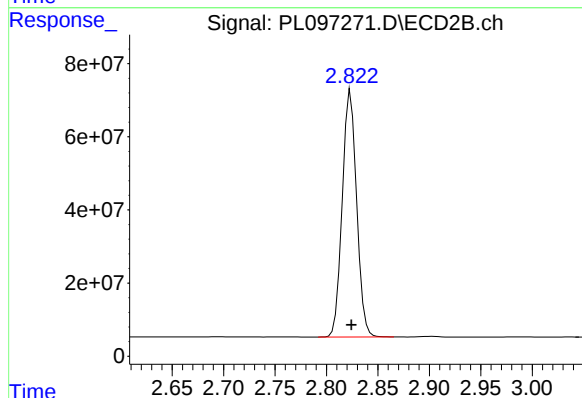




#1 Tetrachloro-m-xylene

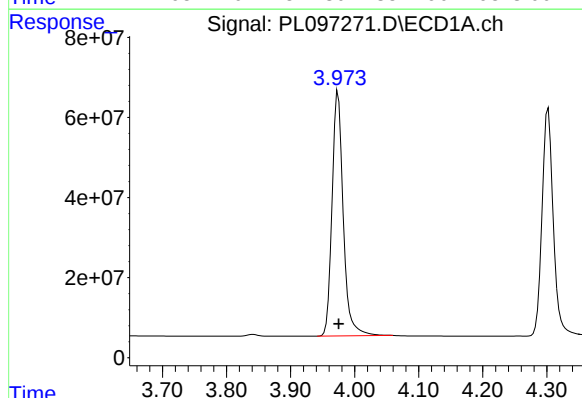
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 455407093
Conc: 101.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



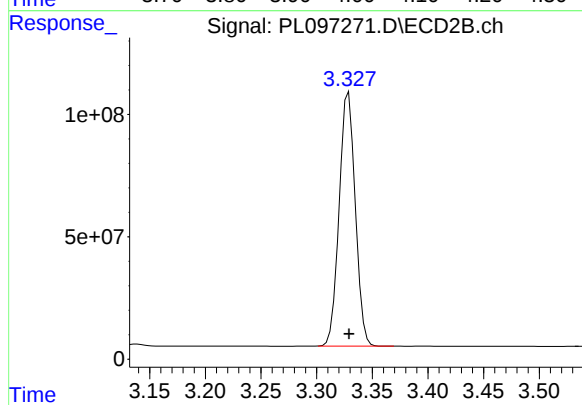
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 654680205
Conc: 101.50 ng/ml



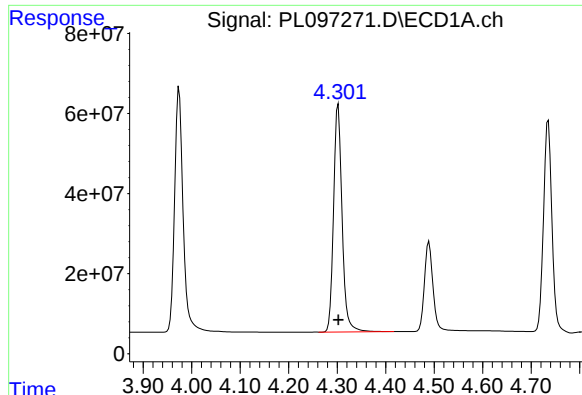
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 743345939
Conc: 105.89 ng/ml



#2 alpha-BHC

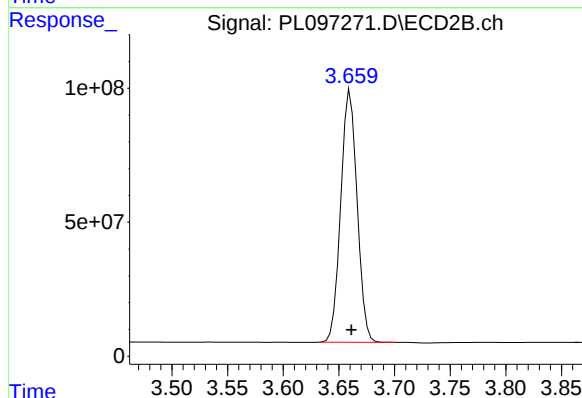
R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 1044530217
Conc: 104.30 ng/ml



#3 gamma-BHC (Lindane)

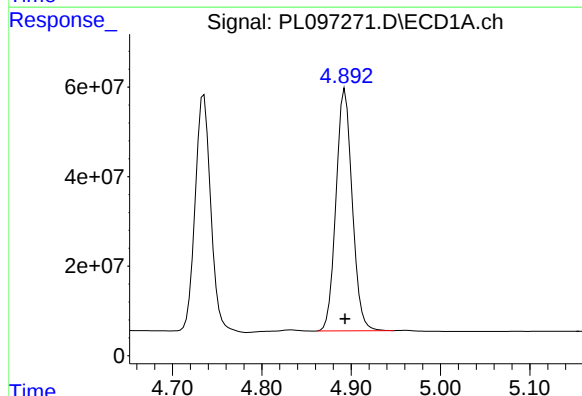
R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 694041930
Conc: 105.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



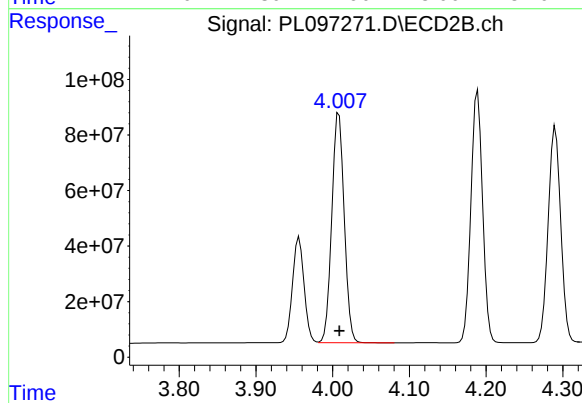
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 963294680
Conc: 103.58 ng/ml



#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 680910223
Conc: 103.04 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 929909905
Conc: 100.90 ng/ml

Response_ Signal: PL097271.D\ECD1A.ch

#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 655242741
Conc: 104.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PL097271.D\ECD2B.ch

#5 Aldrin

R.T.: 4.290 min
Delta R.T.: -0.001 min
Response: 886097654
Conc: 102.30 ng/ml

Time

Response_ Signal: PL097271.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 269158531
Conc: 100.45 ng/ml

Time

Response_ Signal: PL097271.D\ECD2B.ch

#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 397021590
Conc: 100.56 ng/ml

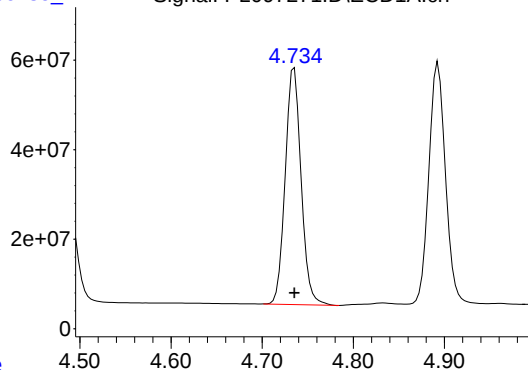
Time

Response_

Signal: PL097271.D\ECD1A.ch

#7 delta-BHC

ICAL Form



R.T.: 4.735 min
Delta R.T.: 0.000 min
Response: 640896760
Conc: 104.55 ng/ml

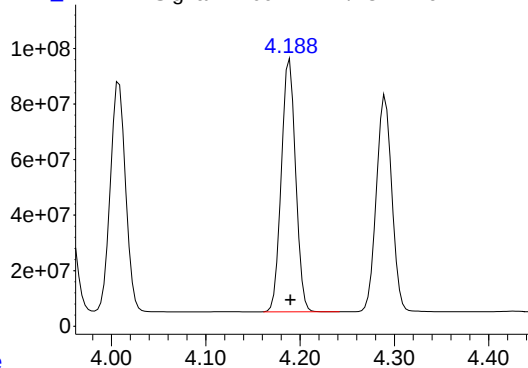
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL097271.D\ECD2B.ch

#7 delta-BHC



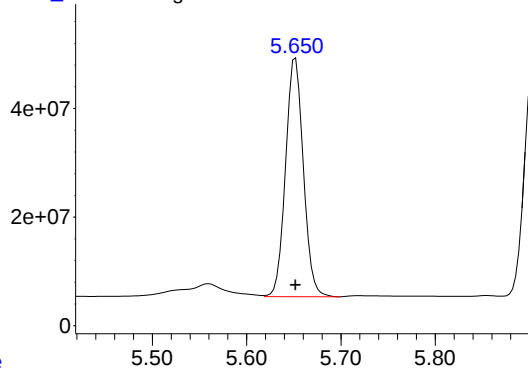
R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 958646033
Conc: 103.83 ng/ml

Time

Response_

Signal: PL097271.D\ECD1A.ch

#8 Heptachlor epoxide



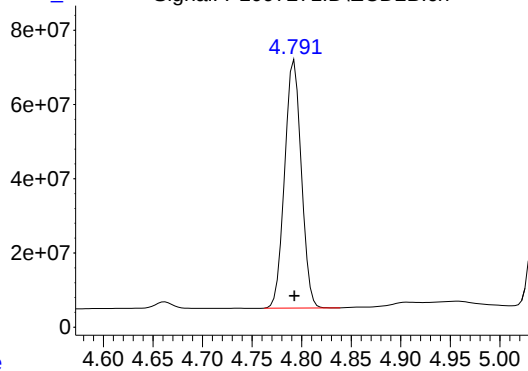
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 576415989
Conc: 100.13 ng/ml

Time

Response_

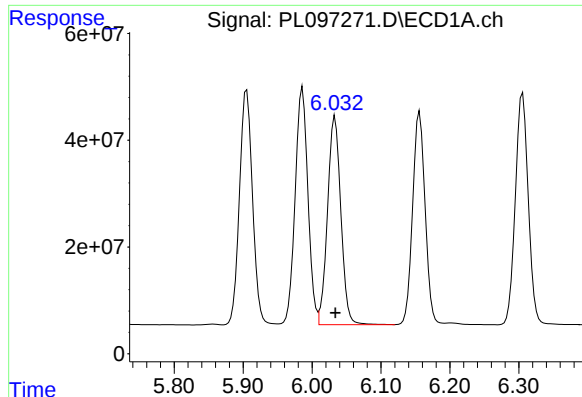
Signal: PL097271.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 782569714
Conc: 99.92 ng/ml

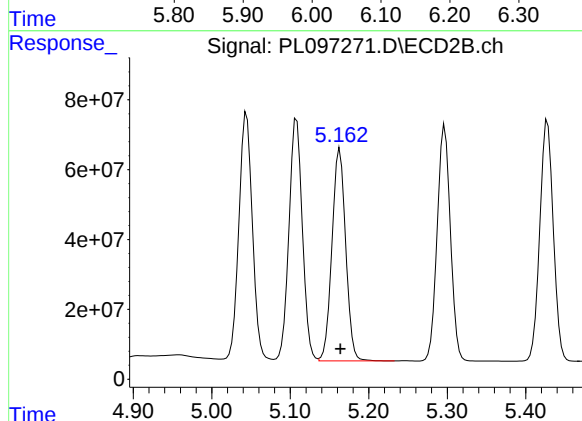
Time



#9 Endosulfan I

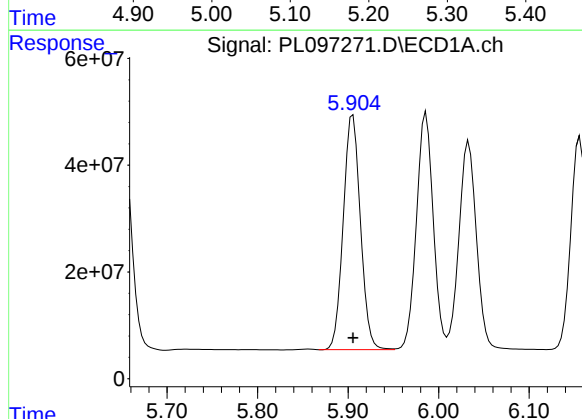
R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 524857350
Conc: 102.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



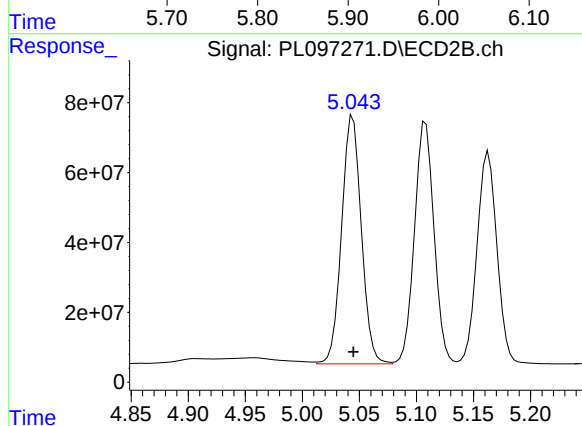
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 738732104
Conc: 99.42 ng/ml



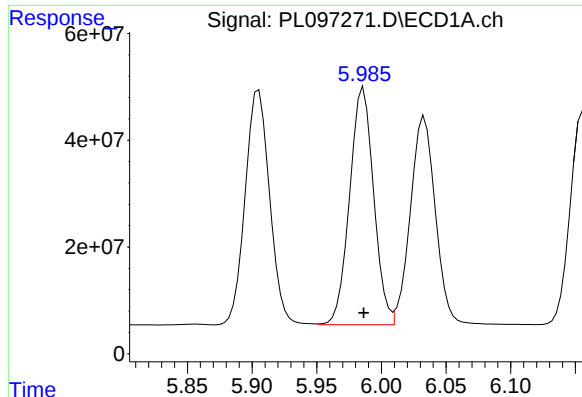
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 579304239
Conc: 103.25 ng/ml



#10 gamma-Chlordane

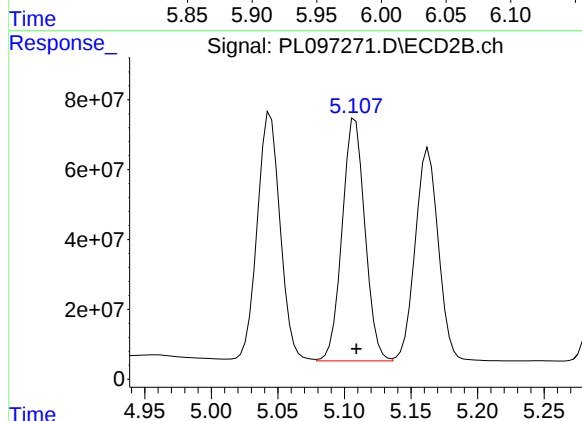
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 855382768
Conc: 99.86 ng/ml



#11 alpha-Chlordane

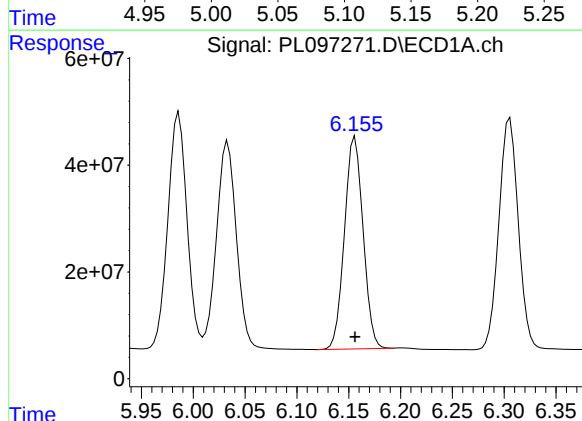
R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 572833249
Conc: 102.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



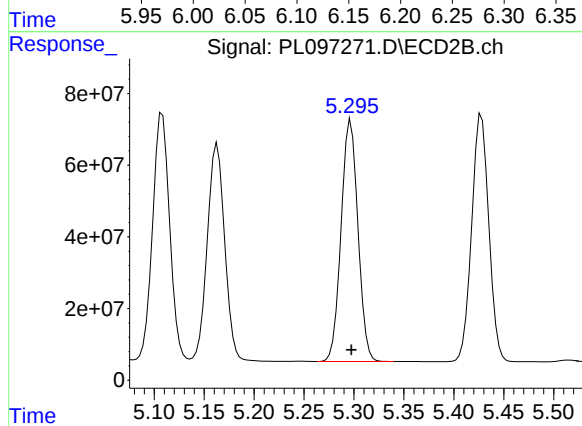
#11 alpha-Chlordane

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 827478390
Conc: 100.36 ng/ml



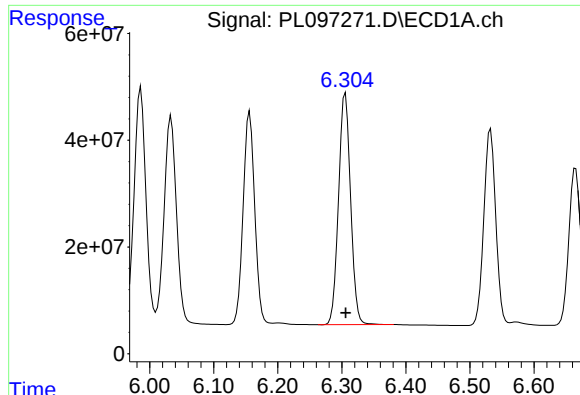
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 496397526
Conc: 104.79 ng/ml



#12 4,4'-DDE

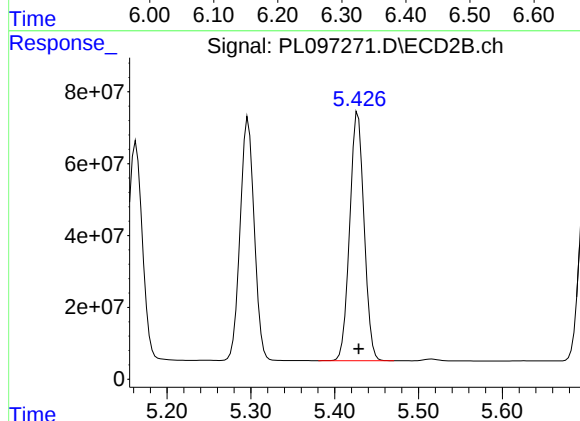
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 791140658
Conc: 102.75 ng/ml



#13 Dieldrin

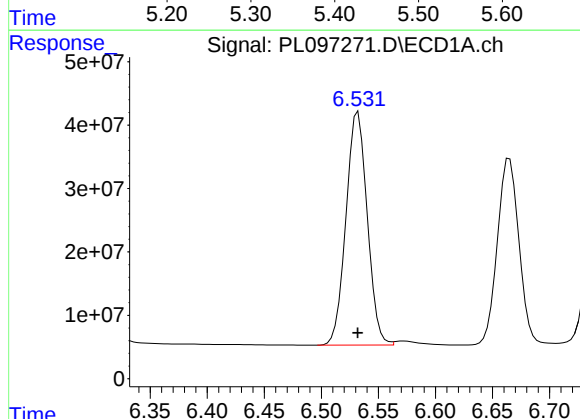
R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 566798485
Conc: 103.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



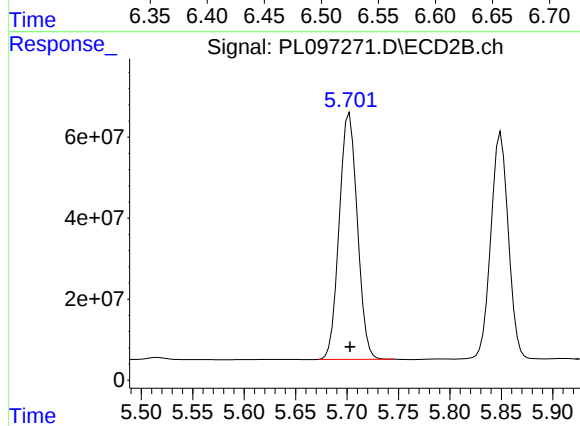
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 825131482
Conc: 101.47 ng/ml



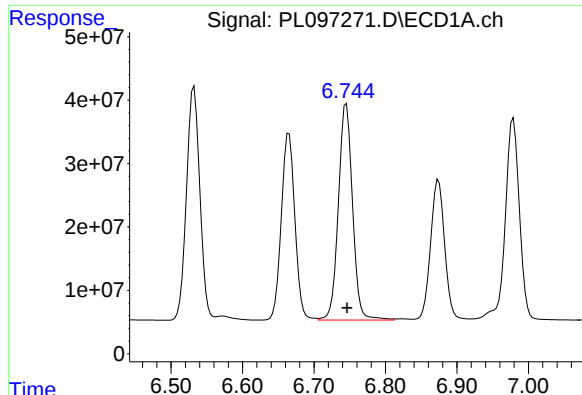
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 477754218
Conc: 103.45 ng/ml



#14 Endrin

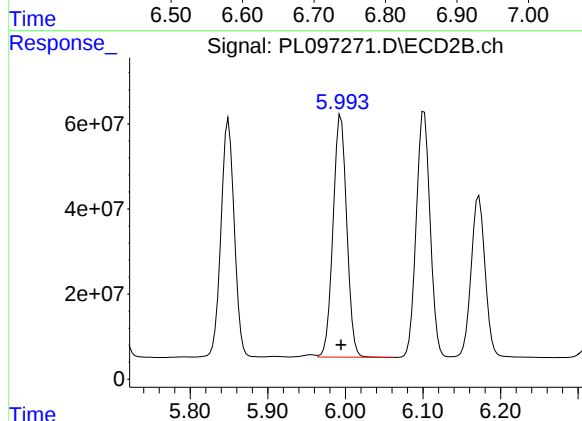
R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 745026296
Conc: 101.52 ng/ml



#15 Endosulfan II

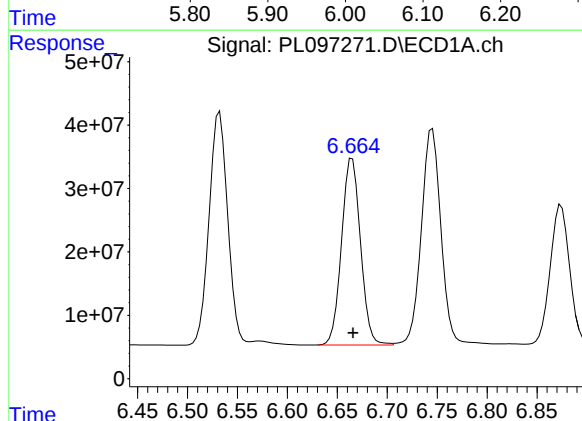
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 469459292
Conc: 98.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



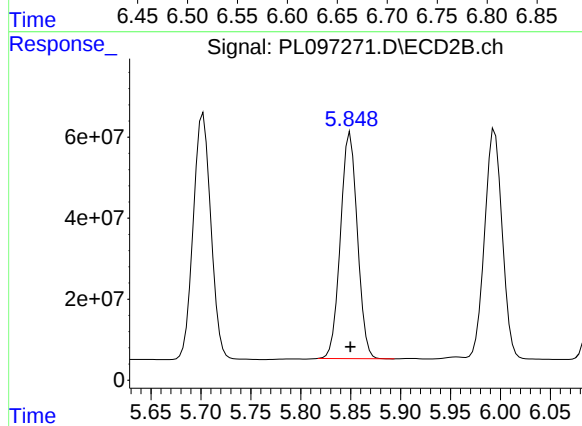
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 697769407
Conc: 100.30 ng/ml



#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 389097233
Conc: 103.41 ng/ml



#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 658941378
Conc: 103.64 ng/ml

Response_ Signal: PL097271.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 440284242
Conc: 103.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time 6.60 6.70 6.80 6.90 7.00 7.10 7.20 7.30 7.40

Response_ Signal: PL097271.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 719008538
Conc: 103.12 ng/ml

Time 5.90 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30

Response_ Signal: PL097271.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 303552504
Conc: 99.23 ng/ml

Time 6.70 6.80 6.90 7.00 7.10

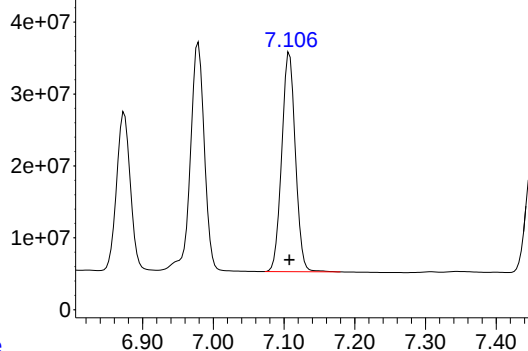
Response_ Signal: PL097271.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 476188976
Conc: 96.90 ng/ml

Time 5.90 6.00 6.10 6.20 6.30 6.40

Response_ Signal: PL097271.D\ECD1A.ch

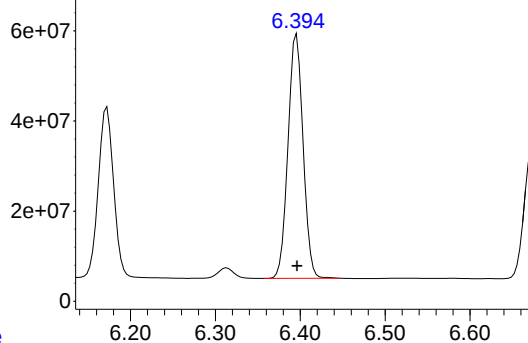


#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 408439591
Conc: 101.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

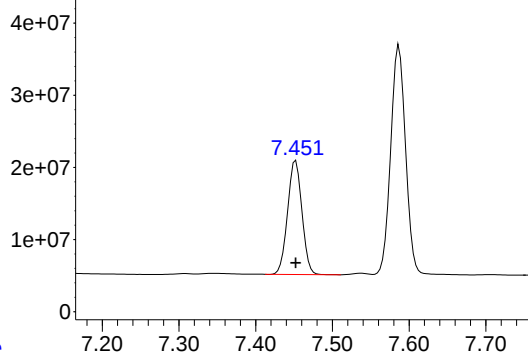
Time Response_ Signal: PL097271.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 666474702
Conc: 99.23 ng/ml

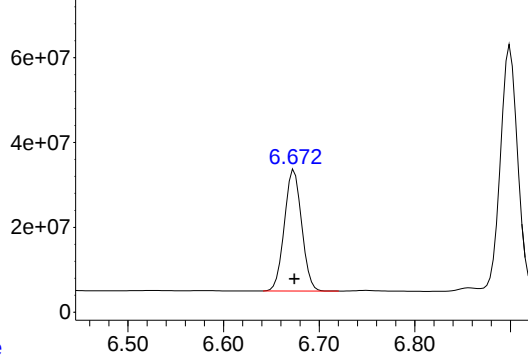
Time Response_ Signal: PL097271.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 205295872
Conc: 99.53 ng/ml

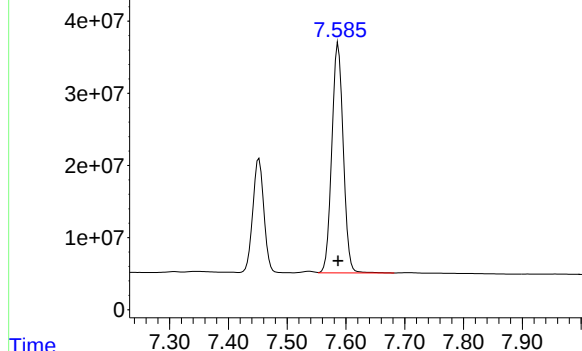
Time Response_ Signal: PL097271.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 358059259
Conc: 96.81 ng/ml

Response_ Signal: PL097271.D\ECD1A.ch

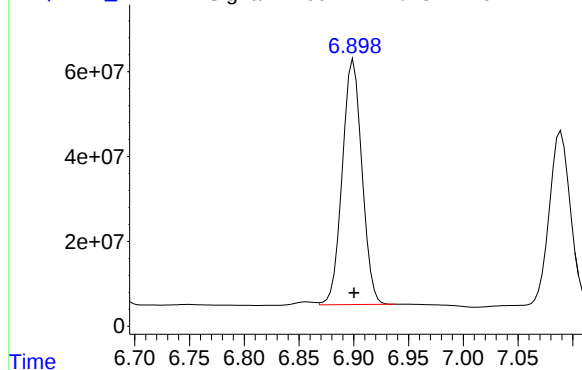


#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: 0.000 min
Response: 429646315
Conc: 101.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

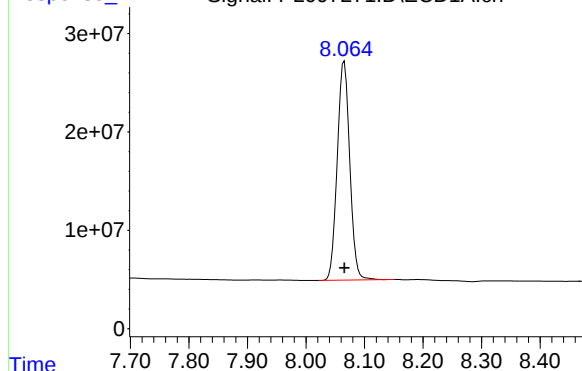
Time Response_ Signal: PL097271.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 722318984
Conc: 97.73 ng/ml

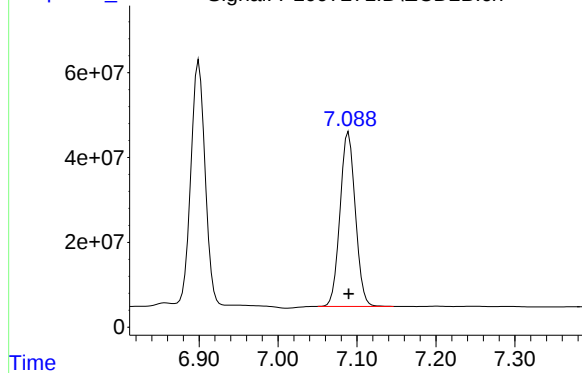
Time Response_ Signal: PL097271.D\ECD1A.ch



#22 Mirex

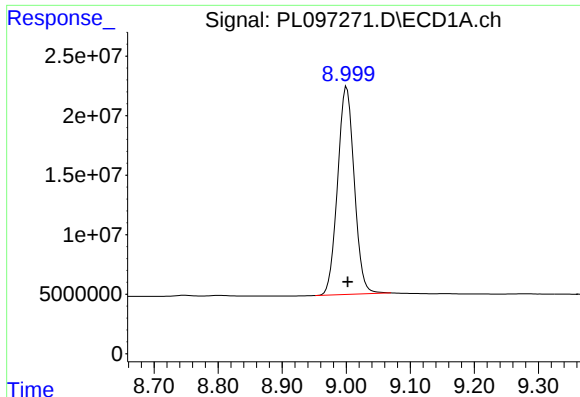
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 330778566
Conc: 97.19 ng/ml

Time Response_ Signal: PL097271.D\ECD2B.ch



#22 Mirex

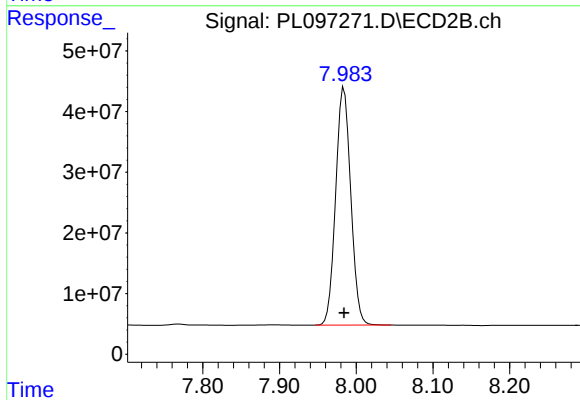
R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 552572978
Conc: 96.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: -0.001 min
Response: 315166938
Conc: 98.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 536054591
Conc: 98.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:19
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.824	334.5E6	484.3E6	74.906	75.085
28)	SA Decachlor...	9.002	7.985	234.1E6	398.1E6	73.453	72.915
Target Compounds							
2)	A alpha-BHC	3.975	3.329	536.3E6	757.5E6	76.392	75.640
3)	MA gamma-BHC...	4.302	3.661	502.5E6	703.0E6	76.204	75.591
4)	MA Heptachlor	4.893	4.009	496.6E6	687.2E6	75.148	74.565
5)	MB Aldrin	5.232	4.291	477.7E6	650.5E6	75.880	75.100
6)	B beta-BHC	4.490	3.957	198.1E6	292.5E6	73.934	74.080
7)	B delta-BHC	4.735	4.190	463.0E6	697.0E6	75.527	75.496
8)	B Heptachlo...	5.652	4.793	424.1E6	581.2E6	73.678	74.211
9)	A Endosulfan I	6.034	5.163	383.9E6	550.9E6	74.971	74.138
10)	B gamma-Chl...	5.906	5.045	423.9E6	636.8E6	75.554	74.339
11)	B alpha-Chl...	5.986	5.109	419.8E6	614.2E6	75.053	74.493
12)	B 4,4'-DDE	6.156	5.297	361.5E6	581.0E6	76.313	75.459
13)	MA Dieldrin	6.306	5.428	412.9E6	609.0E6	75.745	74.885
14)	MA Endrin	6.533	5.703	348.1E6	550.2E6	75.368	74.968
15)	B Endosulfa...	6.745	5.995	347.8E6	518.4E6	72.847	74.509
16)	A 4,4'-DDD	6.665	5.850	284.1E6	483.2E6	75.512	76.000
17)	MA 4,4'-DDT	6.980	6.102	320.6E6	526.7E6	75.521	75.530
18)	B Endrin al...	6.875	6.173	224.8E6	356.8E6	73.496	72.597
19)	B Endosulfa...	7.108	6.396	299.3E6	496.8E6	74.448	73.965
20)	A Methoxychlor	7.453	6.674	152.1E6	268.7E6	73.718	72.634
21)	B Endrin ke...	7.588	6.900	314.3E6	536.5E6	74.403	72.588
22)	Mirex	8.066	7.090	246.6E6	415.4E6	72.461	72.394

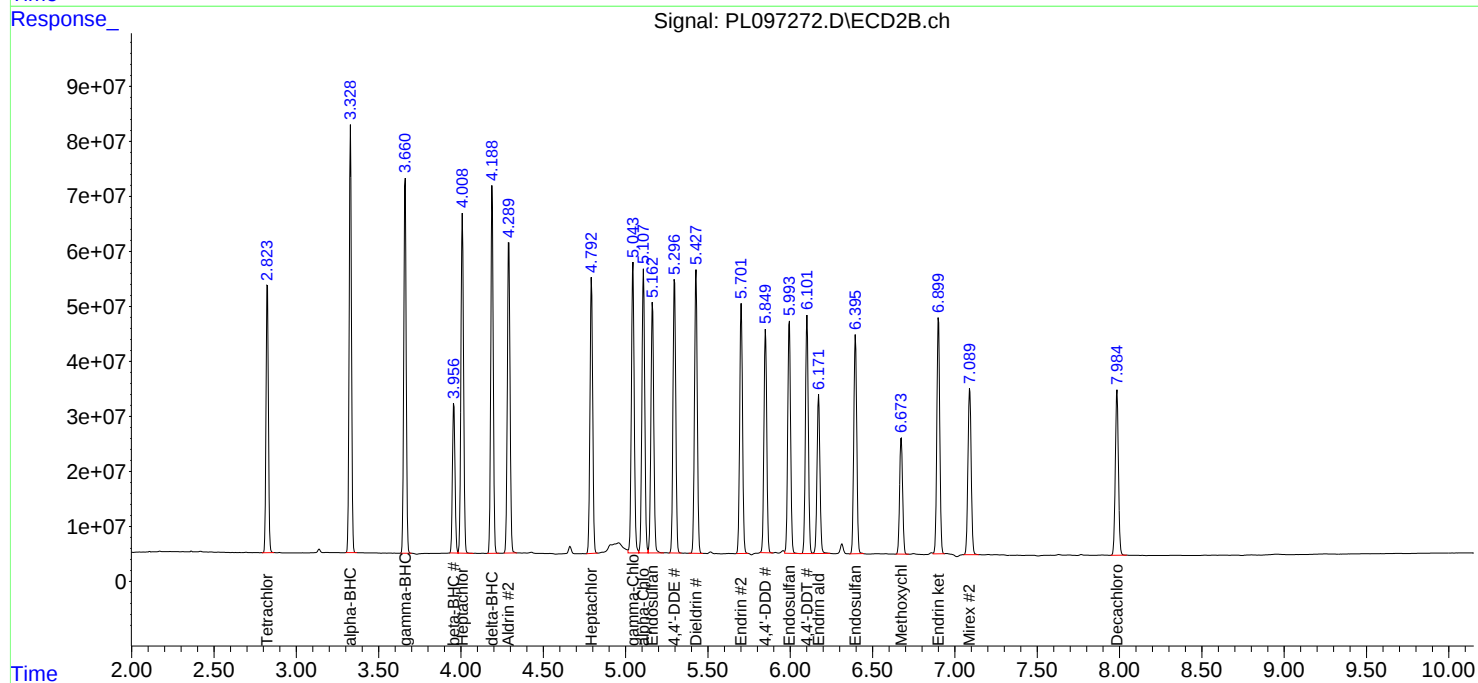
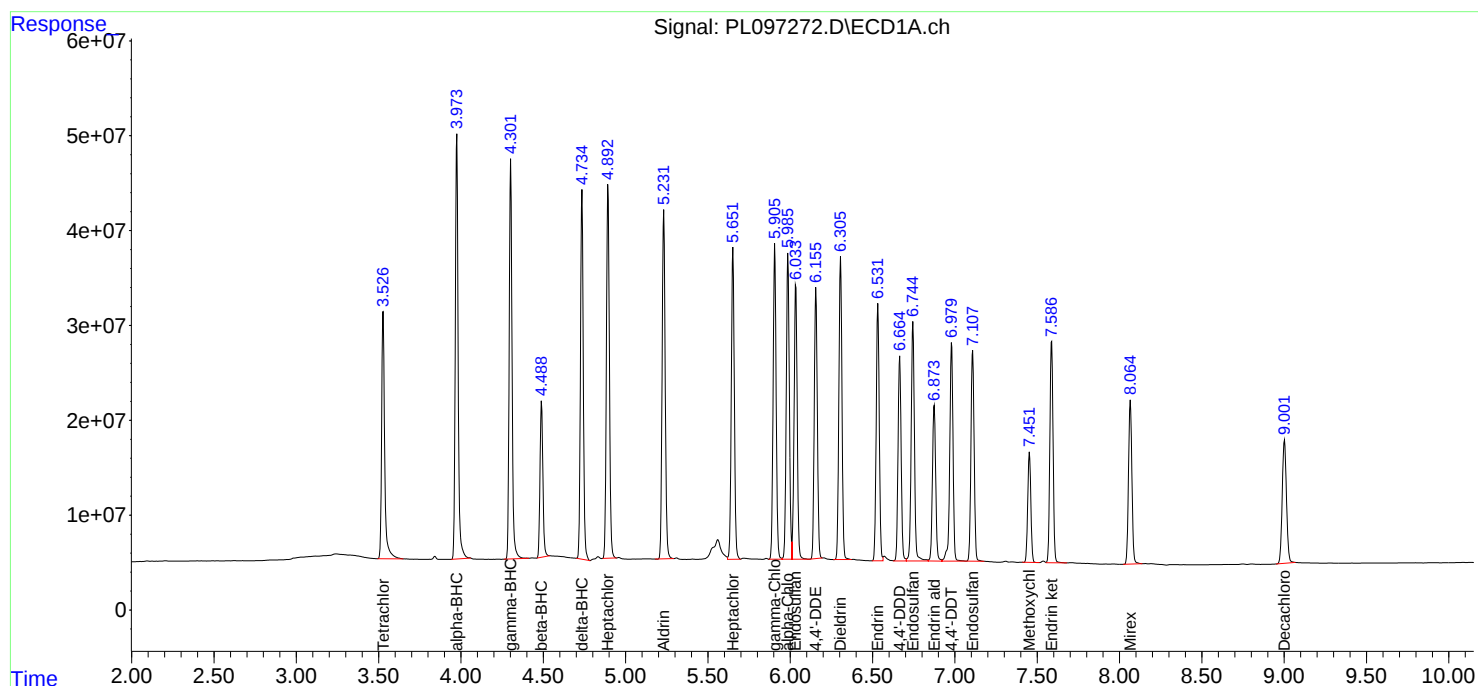
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

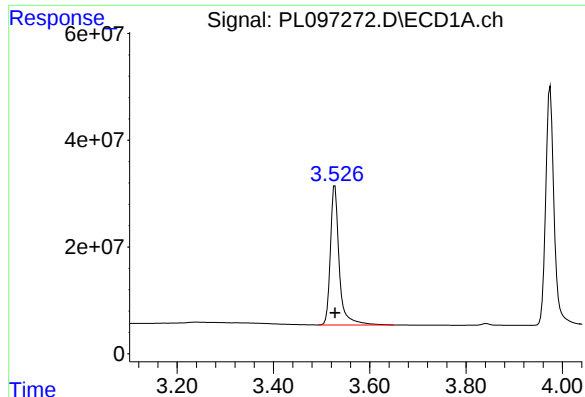
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:19
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

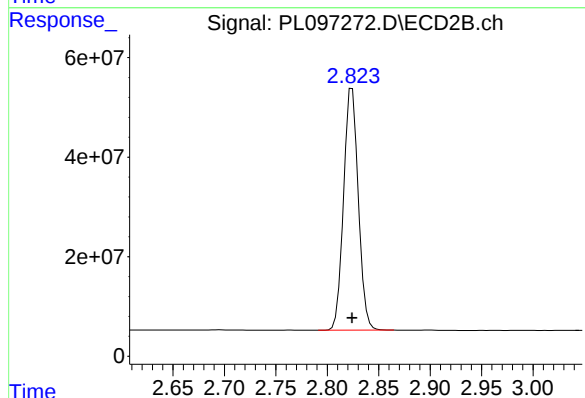




#1 Tetrachloro-m-xylene

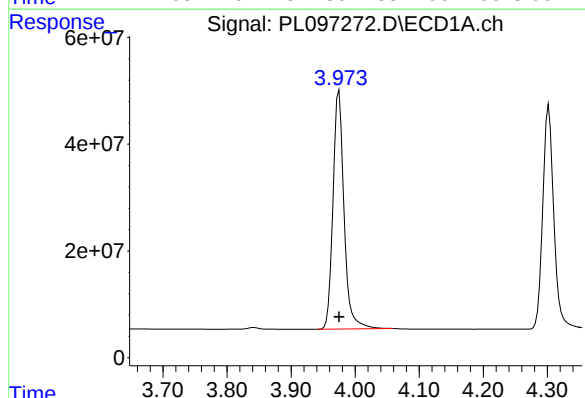
R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 334457337
Conc: 74.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



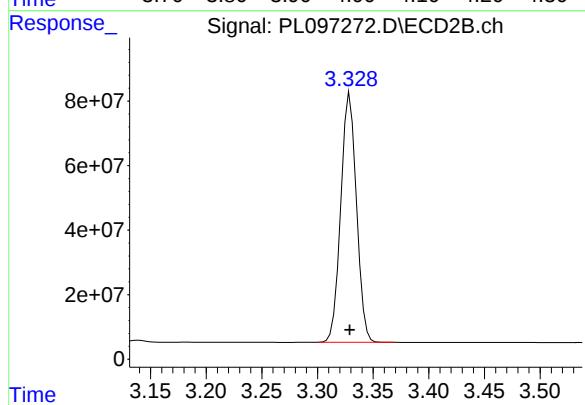
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 484290906
Conc: 75.09 ng/ml



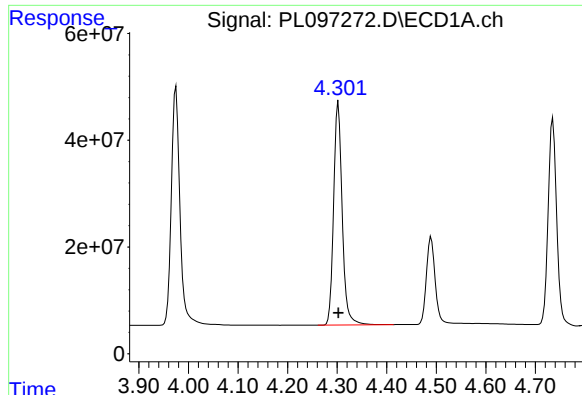
#2 alpha-BHC

R.T.: 3.975 min
Delta R.T.: 0.000 min
Response: 536281943
Conc: 76.39 ng/ml



#2 alpha-BHC

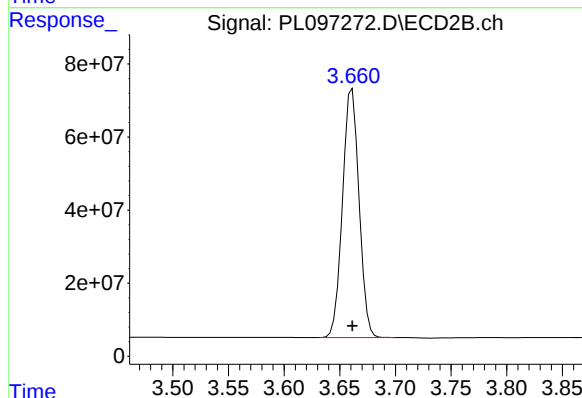
R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 757486711
Conc: 75.64 ng/ml



#3 gamma-BHC (Lindane)

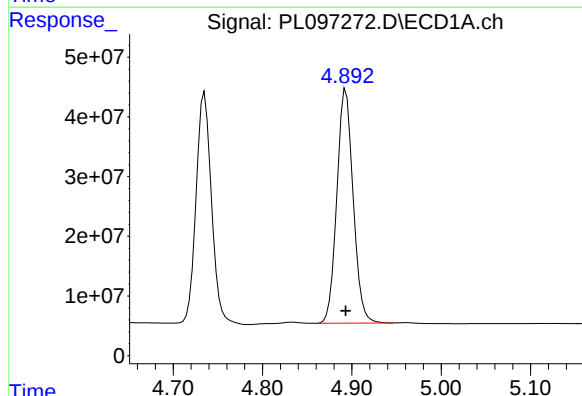
R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 502488587
Conc: 76.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



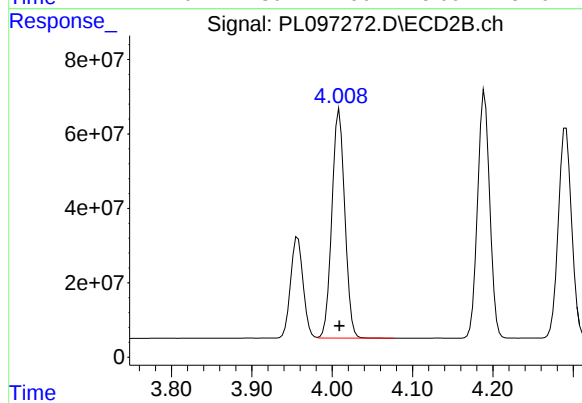
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 703032194
Conc: 75.59 ng/ml



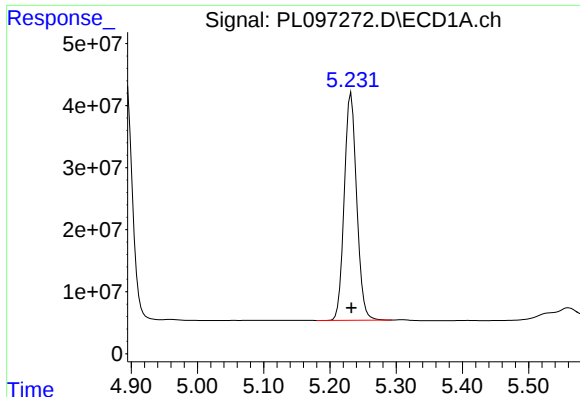
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 496583634
Conc: 75.15 ng/ml



#4 Heptachlor

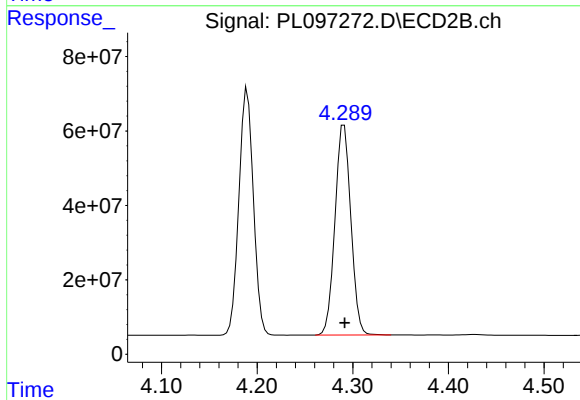
R.T.: 4.009 min
Delta R.T.: 0.000 min
Response: 687191225
Conc: 74.56 ng/ml



#5 Aldrin

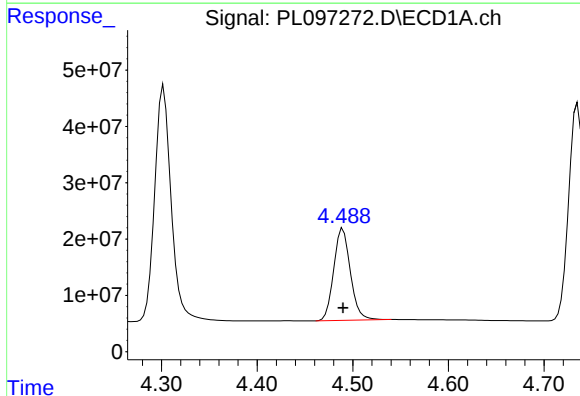
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 477666327
Conc: 75.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



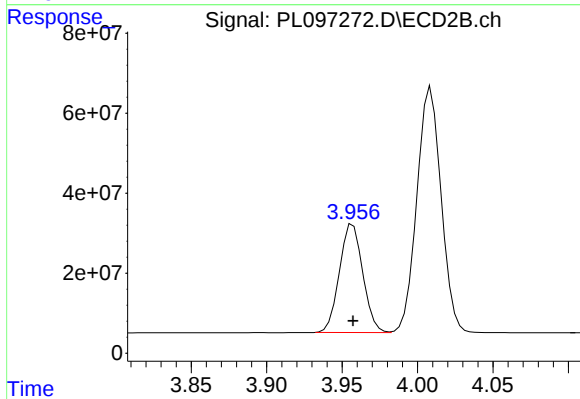
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 650494218
Conc: 75.10 ng/ml



#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 198098488
Conc: 73.93 ng/ml

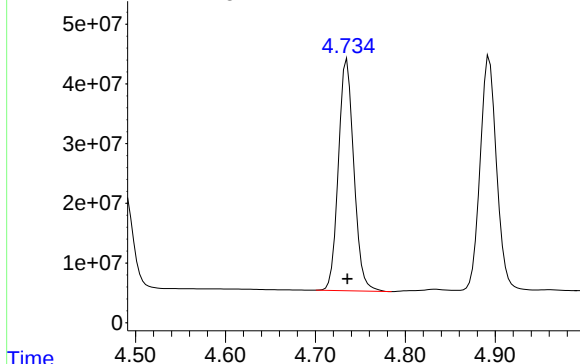


#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 292485133
Conc: 74.08 ng/ml

Response_ Signal: PL097272.D\ECD1A.ch

#7 delta-BHC

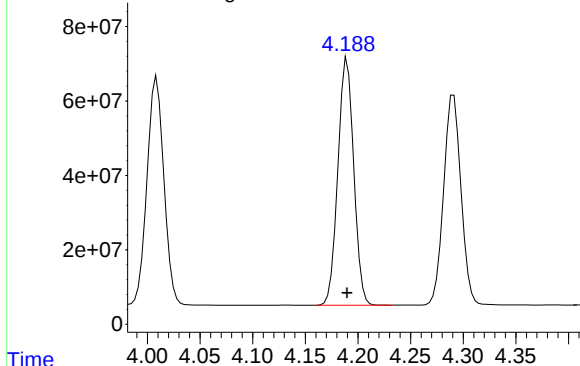


R.T.: 4.735 min
Delta R.T.: 0.000 min
Response: 462975164
Conc: 75.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time Response_ Signal: PL097272.D\ECD2B.ch

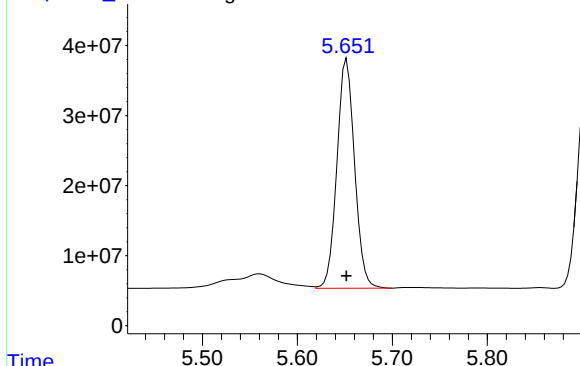
#7 delta-BHC



R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 697025641
Conc: 75.50 ng/ml

Time Response_ Signal: PL097272.D\ECD1A.ch

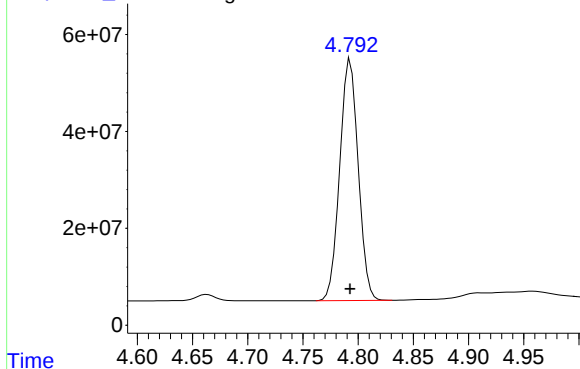
#8 Heptachlor epoxide



R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 424148998
Conc: 73.68 ng/ml

Time Response_ Signal: PL097272.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 581206701
Conc: 74.21 ng/ml

Response_

Signal: PL097272.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.034 min

Delta R.T.: 0.000 min

Response: 383928067

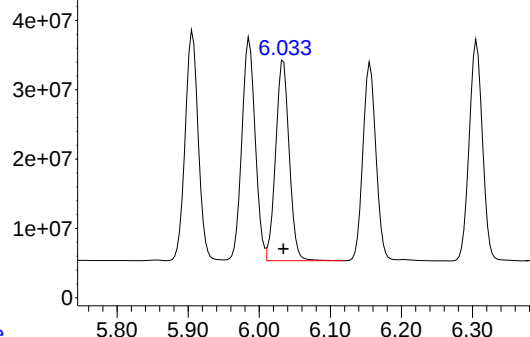
Conc: 74.97 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC075



Time

Response_

Signal: PL097272.D\ECD2B.ch

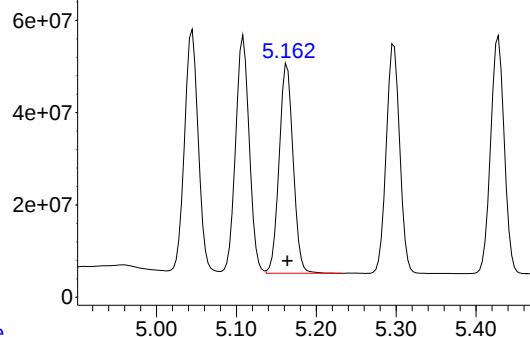
#9 Endosulfan I

R.T.: 5.163 min

Delta R.T.: 0.000 min

Response: 550882522

Conc: 74.14 ng/ml



Time

Response_

Signal: PL097272.D\ECD1A.ch

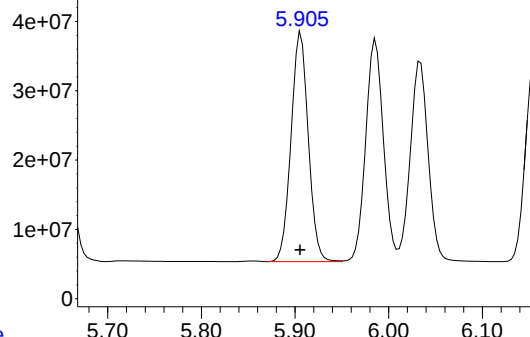
#10 gamma-Chlordane

R.T.: 5.906 min

Delta R.T.: 0.000 min

Response: 423898979

Conc: 75.55 ng/ml



Time

Response_

Signal: PL097272.D\ECD2B.ch

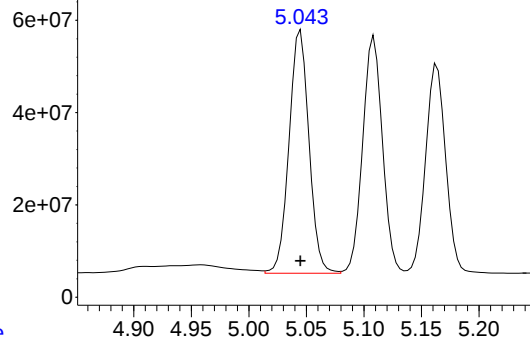
#10 gamma-Chlordane

R.T.: 5.045 min

Delta R.T.: 0.000 min

Response: 636771470

Conc: 74.34 ng/ml



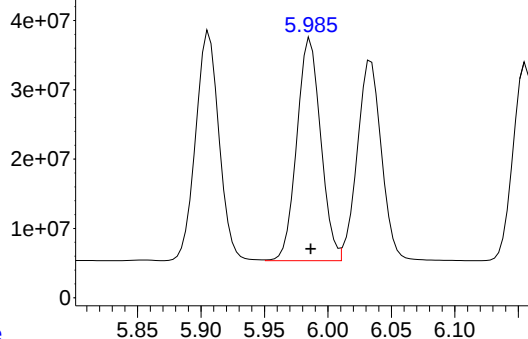
Time

Response_

Signal: PL097272.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 419818547
Conc: 75.05 ng/ml

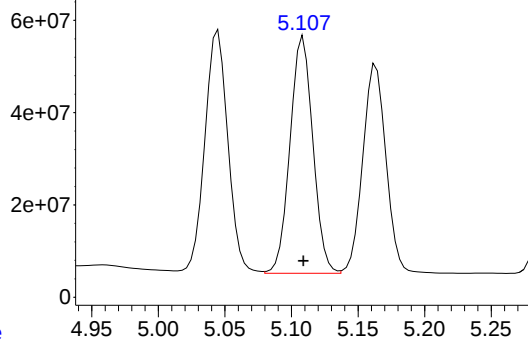
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL097272.D\ECD2B.ch

#11 alpha-Chlordane



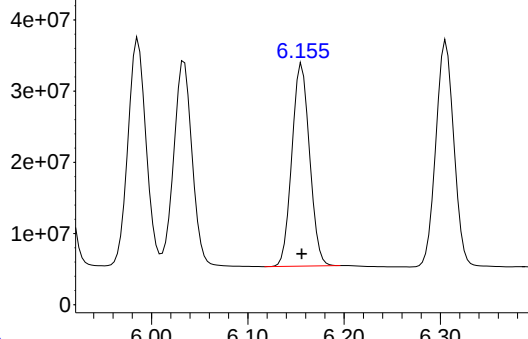
R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 614202897
Conc: 74.49 ng/ml

Time

Response_

Signal: PL097272.D\ECD1A.ch

#12 4,4'-DDE



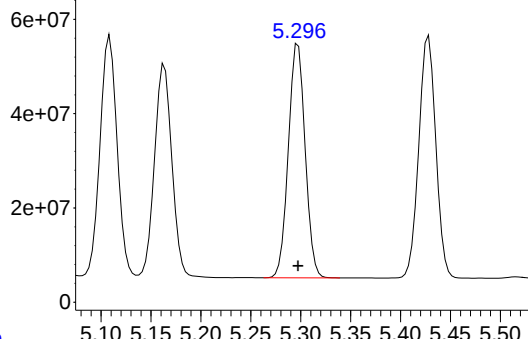
R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 361499311
Conc: 76.31 ng/ml

Time

Response_

Signal: PL097272.D\ECD2B.ch

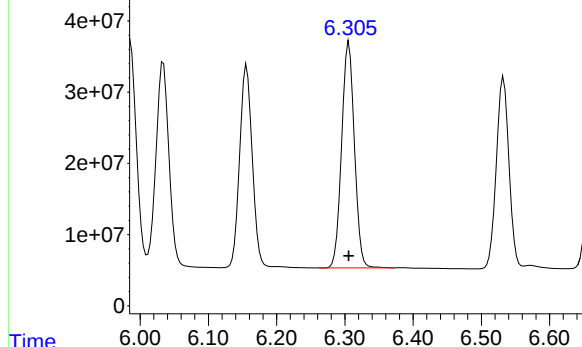
#12 4,4'-DDE



R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 580995478
Conc: 75.46 ng/ml

Time

Response_ Signal: PL097272.D\ECD1A.ch

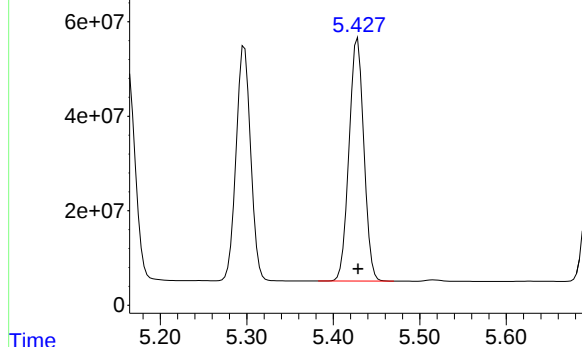


#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 412858709
Conc: 75.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

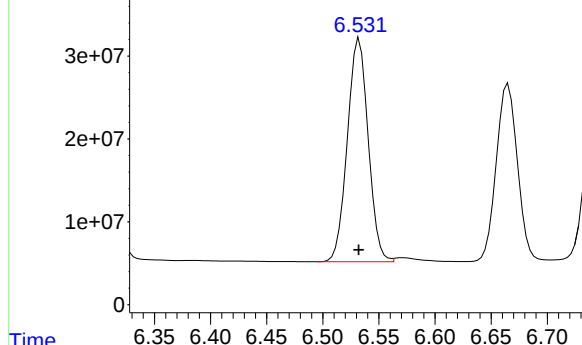
Response_ Signal: PL097272.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 608979333
Conc: 74.89 ng/ml

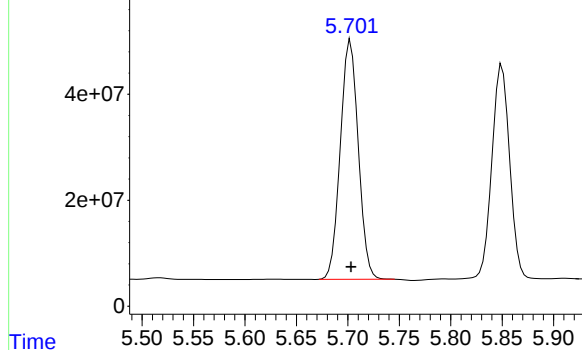
Response_ Signal: PL097272.D\ECD1A.ch



#14 Endrin

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 348072558
Conc: 75.37 ng/ml

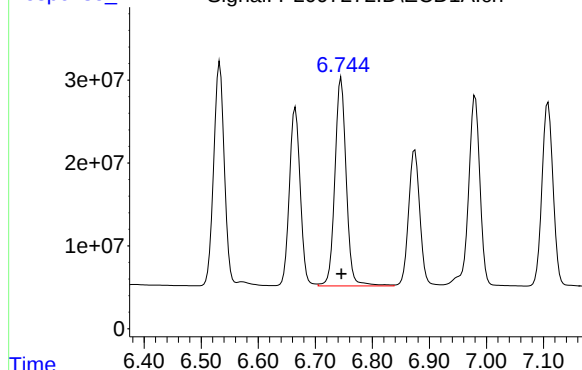
Response_ Signal: PL097272.D\ECD2B.ch



#14 Endrin

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 550181488
Conc: 74.97 ng/ml

Response_ Signal: PL097272.D\ECD1A.ch

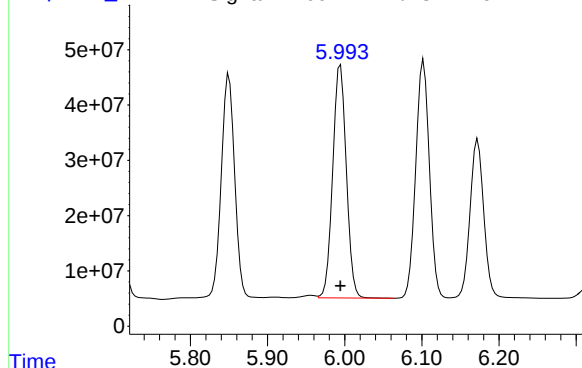


#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 347822568
Conc: 72.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

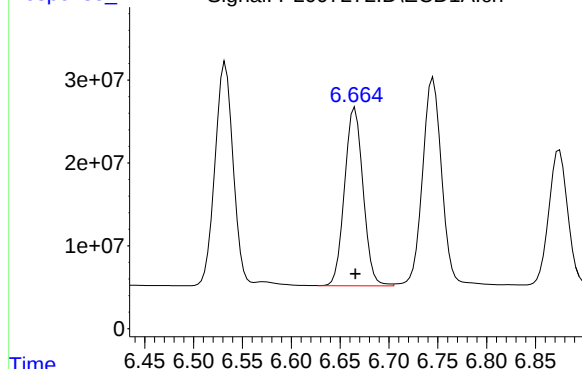
Time Response_ Signal: PL097272.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: 0.000 min
Response: 518354580
Conc: 74.51 ng/ml

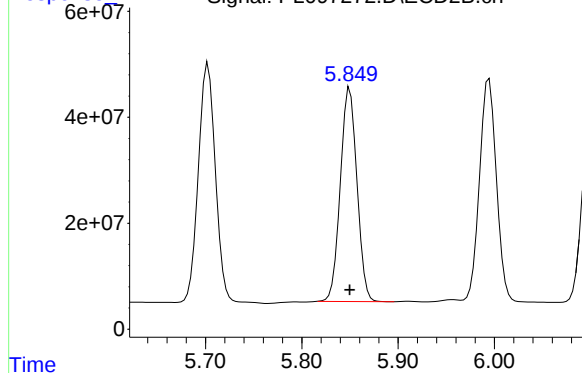
Time Response_ Signal: PL097272.D\ECD1A.ch



#16 4,4'-DDD

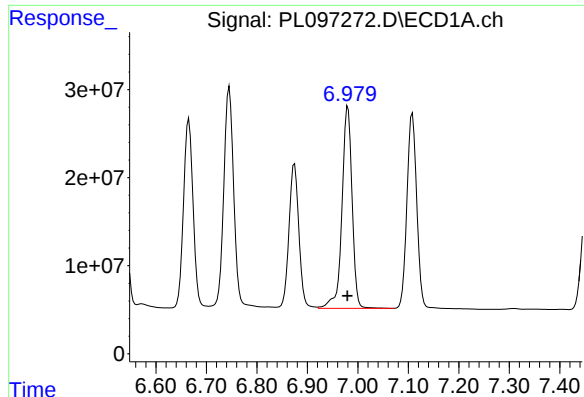
R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 284131362
Conc: 75.51 ng/ml

Time Response_ Signal: PL097272.D\ECD2B.ch



#16 4,4'-DDD

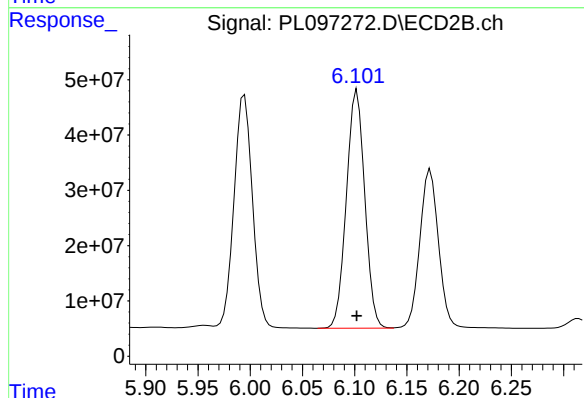
R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 483209159
Conc: 76.00 ng/ml



#17 4,4'-DDT

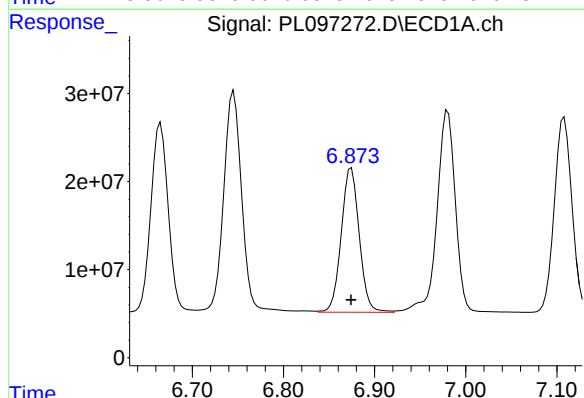
R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 320612339
Conc: 75.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



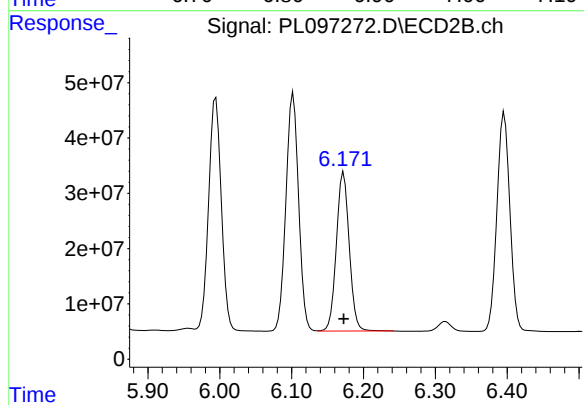
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 526663212
Conc: 75.53 ng/ml



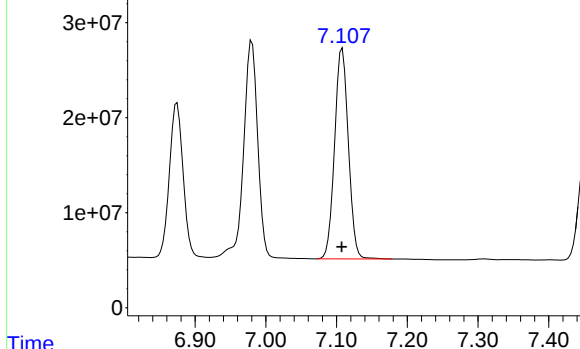
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 224837673
Conc: 73.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 356772158
Conc: 72.60 ng/ml

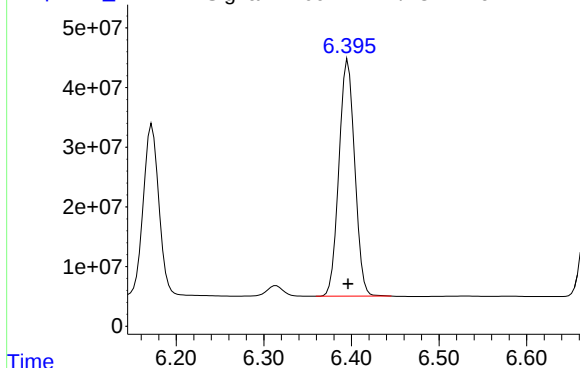


R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 299288210
Conc: 74.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time Response_ Signal: PL097272.D\ECD2B.ch

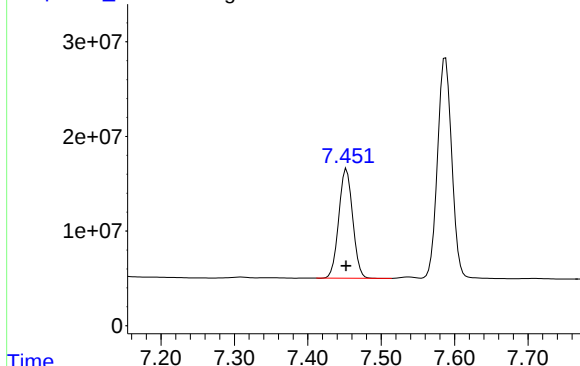
#19 Endosulfan Sulfate



R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 496776013
Conc: 73.96 ng/ml

Time Response_ Signal: PL097272.D\ECD1A.ch

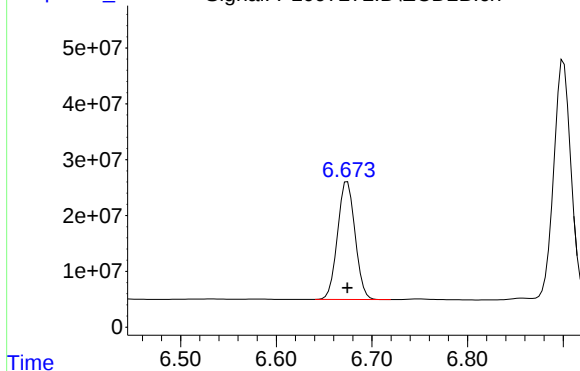
#20 Methoxychlor



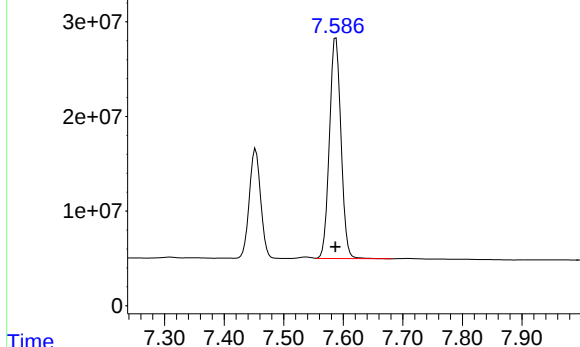
R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 152052376
Conc: 73.72 ng/ml

Time Response_ Signal: PL097272.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 268650632
Conc: 72.63 ng/ml



R.T.: 7.588 min
Delta R.T.: 0.000 min
Response: 314342458
Conc: 74.40 ng/ml

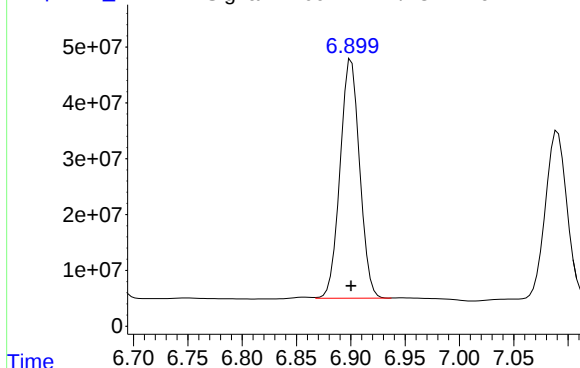
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL097272.D\ECD2B.ch

#21 Endrin ketone



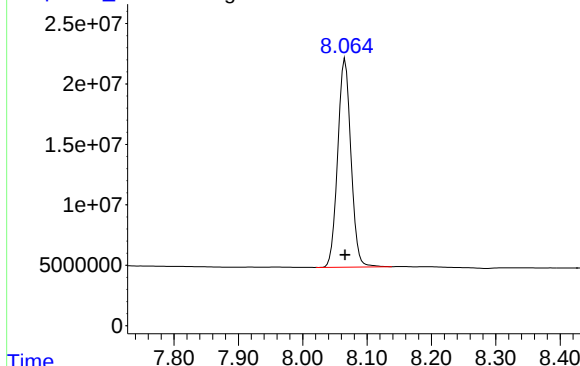
R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 536522611
Conc: 72.59 ng/ml

Time

Response_

Signal: PL097272.D\ECD1A.ch

#22 Mirex



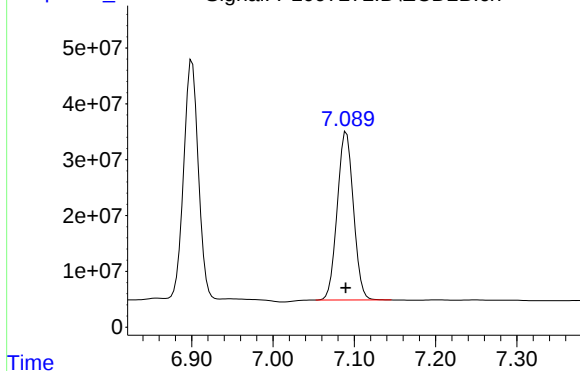
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 246619759
Conc: 72.46 ng/ml

Time

Response_

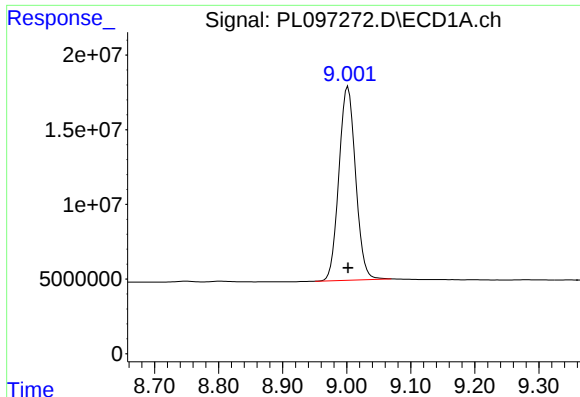
Signal: PL097272.D\ECD2B.ch

#22 Mirex



R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 415392607
Conc: 72.39 ng/ml

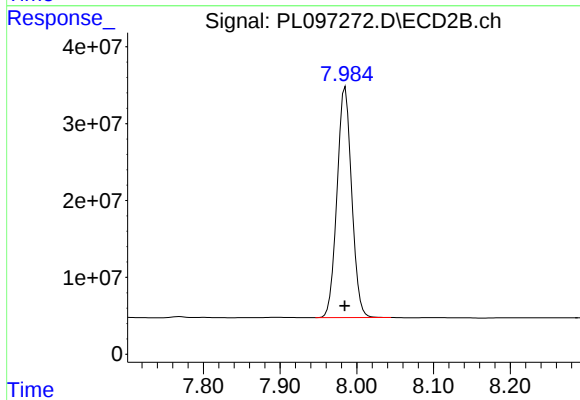
Time



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: 0.000 min
Response: 234140802
Conc: 73.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: 0.000 min
Response: 398094509
Conc: 72.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097273.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:33
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:44:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.824	223.3E6	322.5E6	50.000	50.000
28)	SA Decachlor...	9.002	7.984	159.4E6	273.0E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.975	3.329	351.0E6	500.7E6	50.000	50.000
3)	MA gamma-BHC...	4.302	3.661	329.7E6	465.0E6	50.000	50.000
4)	MA Heptachlor	4.893	4.009	330.4E6	460.8E6	50.000	50.000
5)	MB Aldrin	5.232	4.291	314.7E6	433.1E6	50.000	50.000
6)	B beta-BHC	4.490	3.957	134.0E6	197.4E6	50.000	50.000
7)	B delta-BHC	4.735	4.190	306.5E6	461.6E6	50.000	50.000
8)	B Heptachlo...	5.652	4.793	287.8E6	391.6E6	50.000	50.000
9)	A Endosulfan I	6.034	5.164	256.1E6	371.5E6	50.000	50.000
10)	B gamma-Chl...	5.906	5.045	280.5E6	428.3E6	50.000	50.000
11)	B alpha-Chl...	5.986	5.109	279.7E6	412.3E6	50.000	50.000
12)	B 4,4'-DDE	6.156	5.297	236.9E6	385.0E6	50.000	50.000
13)	MA Dieldrin	6.306	5.428	272.5E6	406.6E6	50.000	50.000
14)	MA Endrin	6.532	5.703	230.9E6	366.9E6	50.000	50.000
15)	B Endosulfa...	6.746	5.995	238.7E6	347.8E6	50.000	50.000
16)	A 4,4'-DDD	6.666	5.850	188.1E6	317.9E6	50.000	50.000
17)	MA 4,4'-DDT	6.980	6.102	212.3E6	348.6E6	50.000	50.000
18)	B Endrin al...	6.874	6.173	153.0E6	245.7E6	50.000	50.000
19)	B Endosulfa...	7.107	6.396	201.0E6	335.8E6	50.000	50.000
20)	A Methoxychlor	7.452	6.674	103.1E6	184.9E6	50.000	50.000
21)	B Endrin ke...	7.587	6.900	211.2E6	369.6E6	50.000	50.000
22)	Mirex	8.065	7.090	170.2E6	286.9E6	50.000	50.000

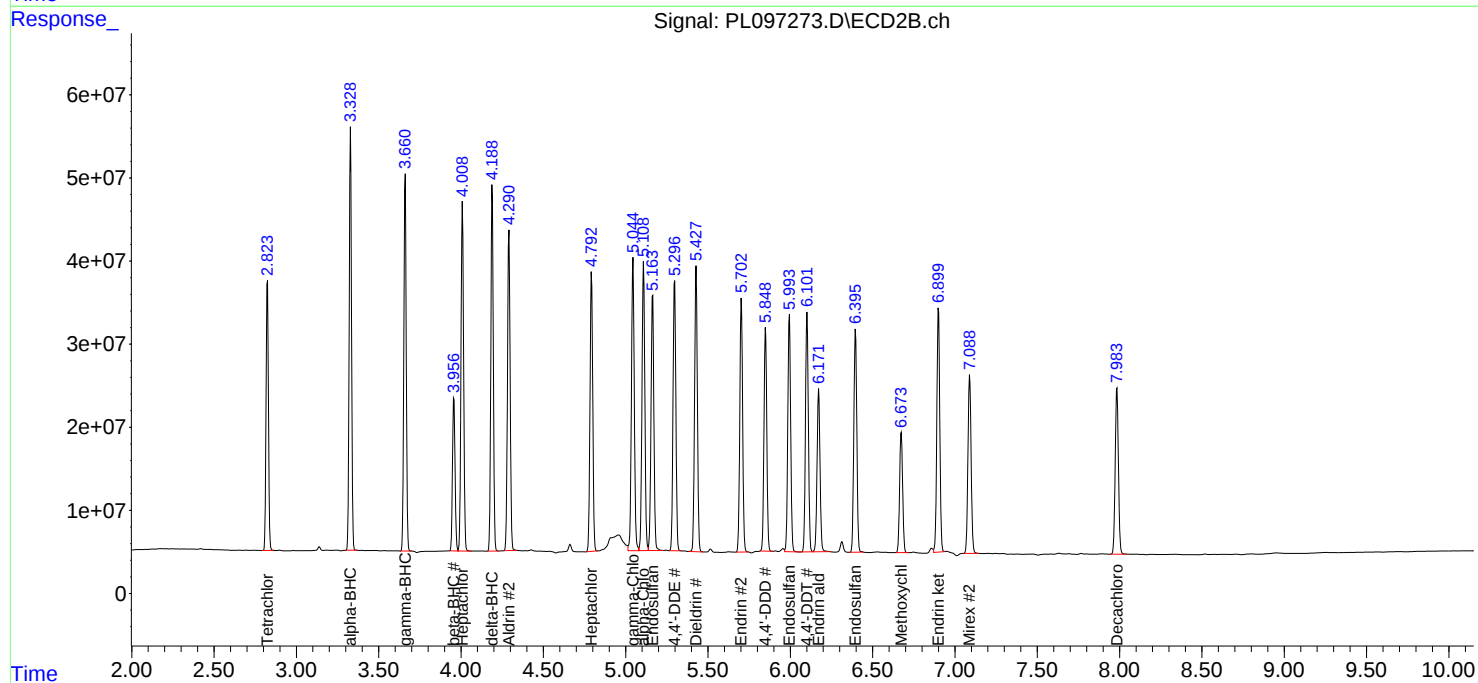
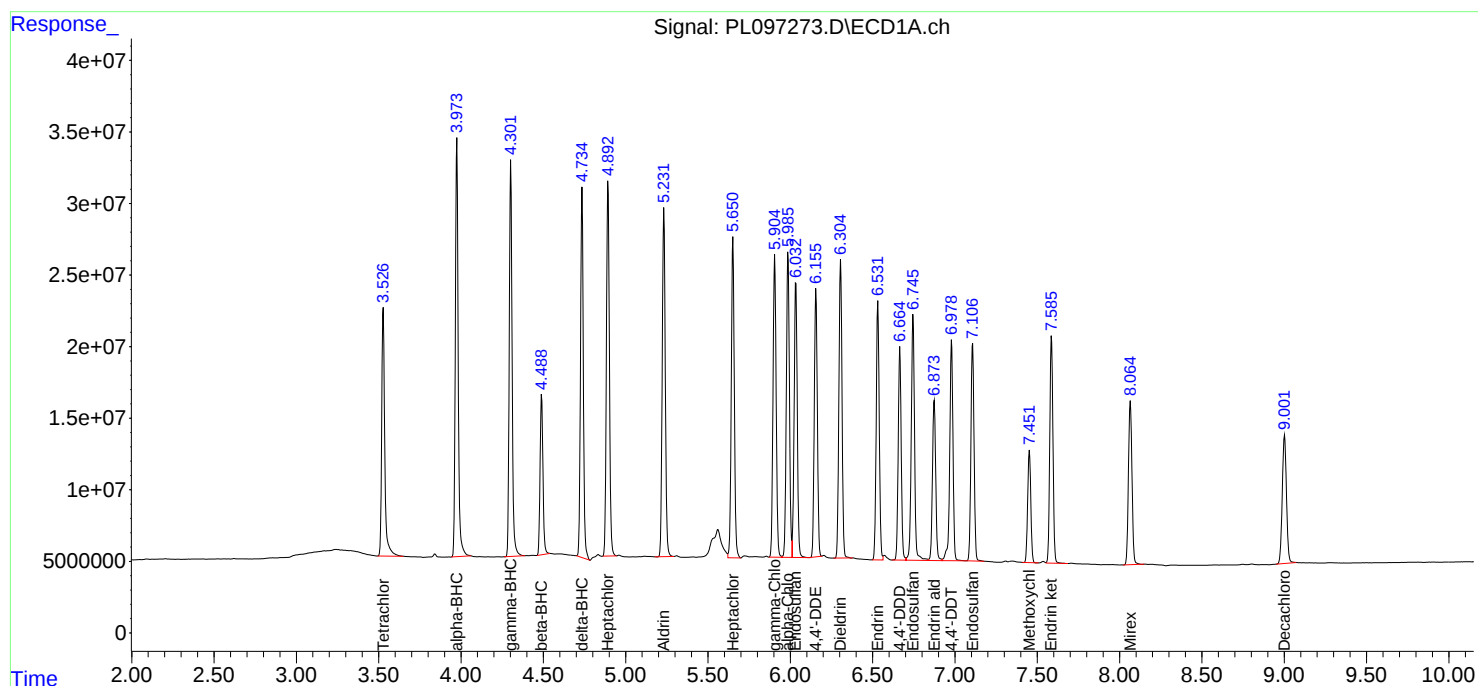
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

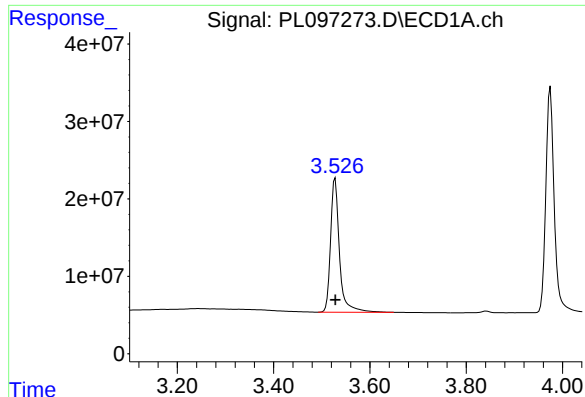
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:33
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

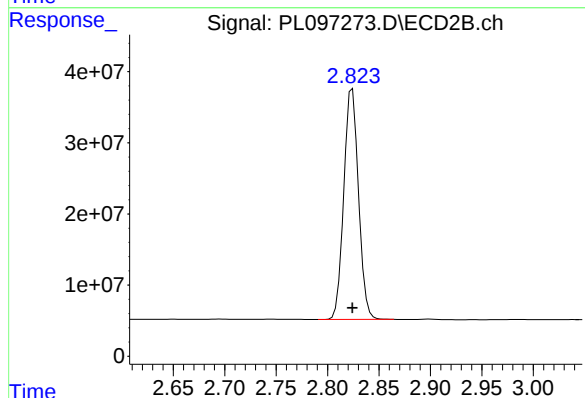




#1 Tetrachloro-m-xylene

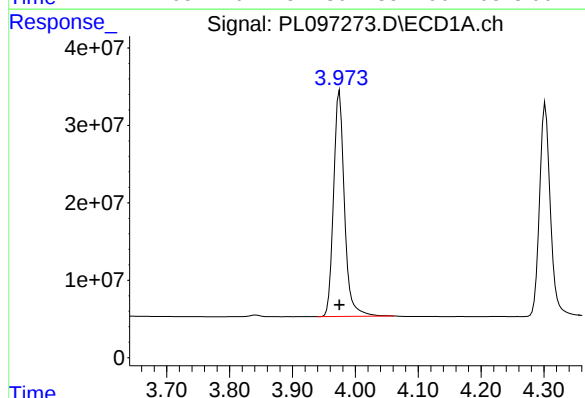
R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 223250880
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



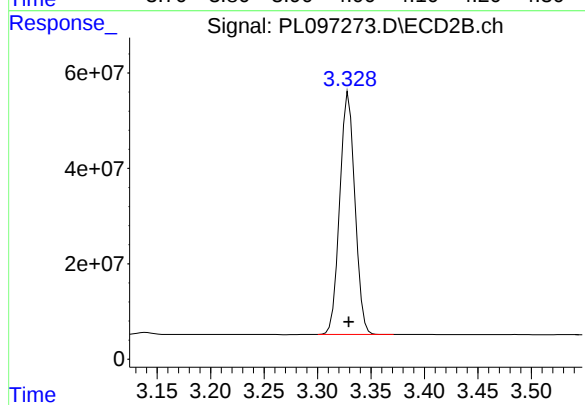
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 322494175
Conc: 50.00 ng/ml



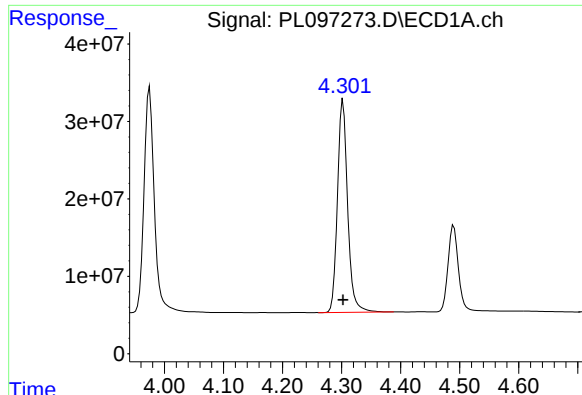
#2 alpha-BHC

R.T.: 3.975 min
Delta R.T.: 0.000 min
Response: 351007043
Conc: 50.00 ng/ml



#2 alpha-BHC

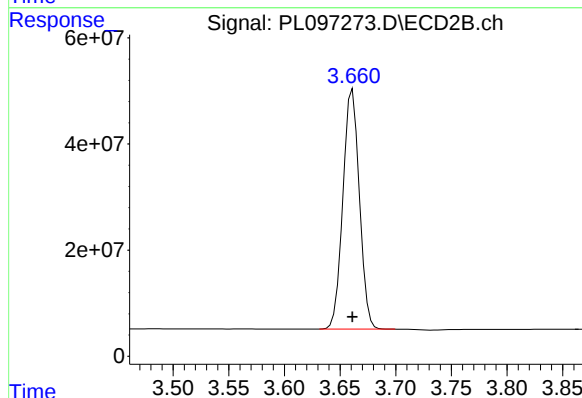
R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 500716913
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

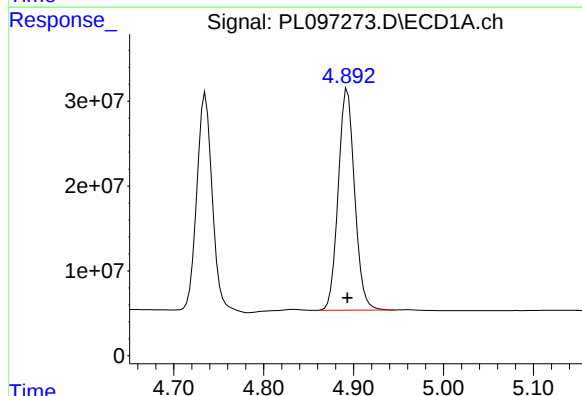
R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 329699404
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



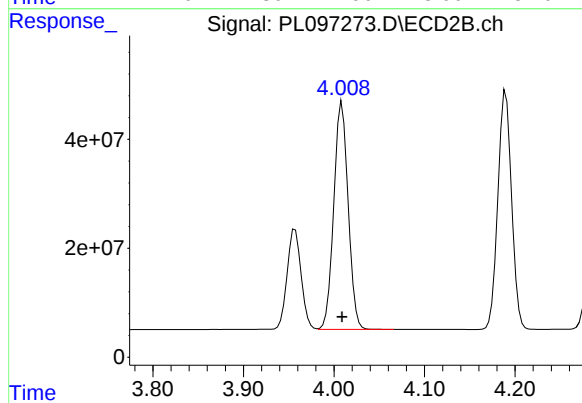
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 465022264
Conc: 50.00 ng/ml



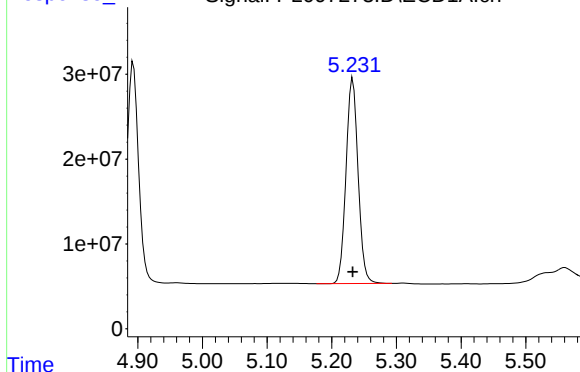
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 330402125
Conc: 50.00 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: 0.000 min
Response: 460802989
Conc: 50.00 ng/ml



R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 314749938
Conc: 50.00 ng/ml

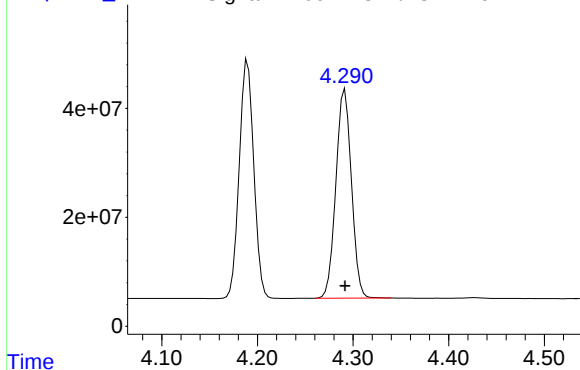
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL097273.D\ECD2B.ch

#5 Aldrin



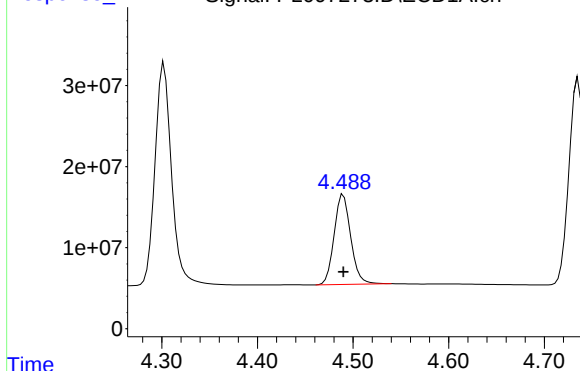
R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 433082822
Conc: 50.00 ng/ml

Time

Response_

Signal: PL097273.D\ECD1A.ch

#6 beta-BHC



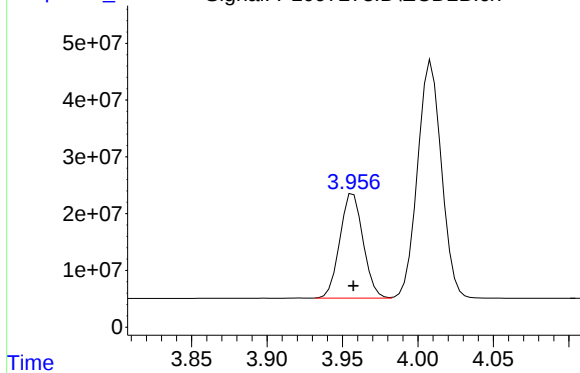
R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 133970035
Conc: 50.00 ng/ml

Time

Response_

Signal: PL097273.D\ECD2B.ch

#6 beta-BHC



R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 197412159
Conc: 50.00 ng/ml

Time

Response_ Signal: PL097273.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: 0.000 min
Response: 306496954
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PL097273.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 461631091
Conc: 50.00 ng/ml

Time

Response_ Signal: PL097273.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 287840034
Conc: 50.00 ng/ml

Time

Response_ Signal: PL097273.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 391592220
Conc: 50.00 ng/ml

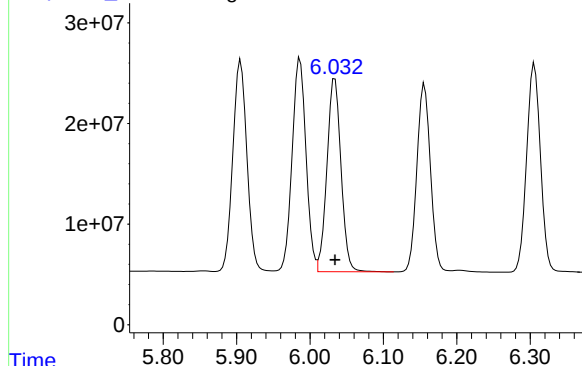
Time

Response_ Signal: PL097273.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 256052500
Conc: 50.00 ng/ml

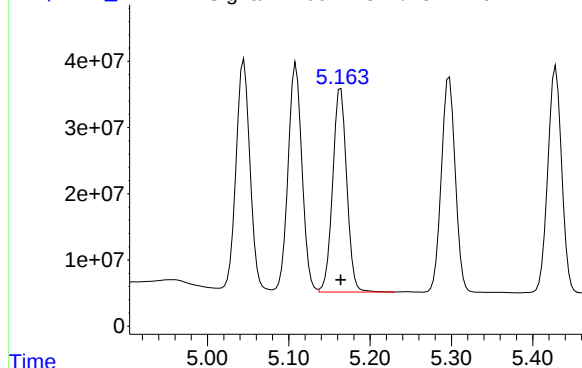
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



Time Response_ Signal: PL097273.D\ECD2B.ch

#9 Endosulfan I

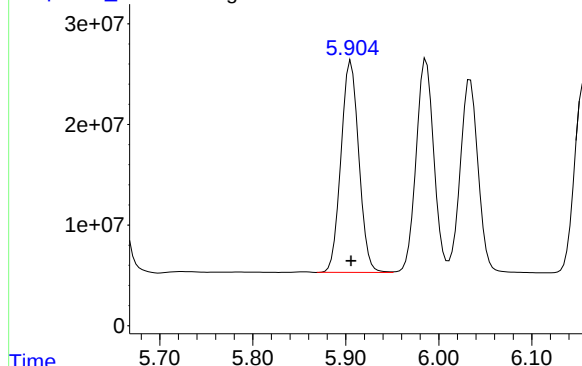
R.T.: 5.164 min
Delta R.T.: 0.000 min
Response: 371523857
Conc: 50.00 ng/ml



Time Response_ Signal: PL097273.D\ECD1A.ch

#10 gamma-Chlordane

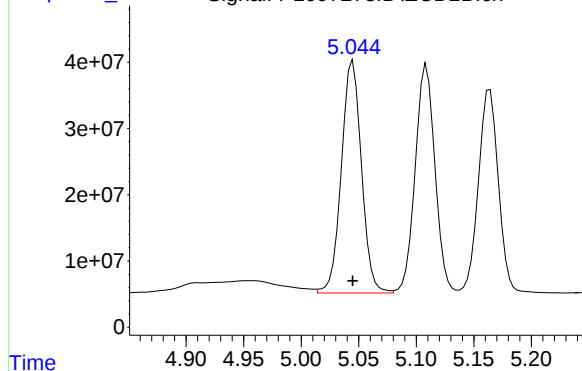
R.T.: 5.906 min
Delta R.T.: 0.000 min
Response: 280529007
Conc: 50.00 ng/ml



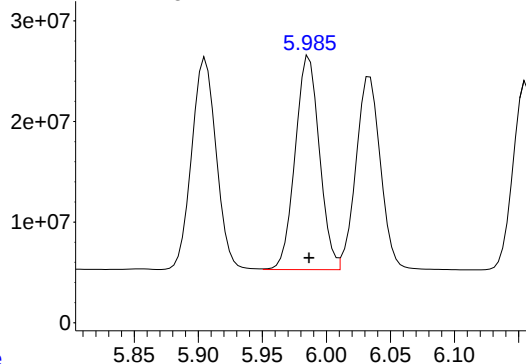
Time Response_ Signal: PL097273.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 428290484
Conc: 50.00 ng/ml



Response_ Signal: PL097273.D\ECD1A.ch

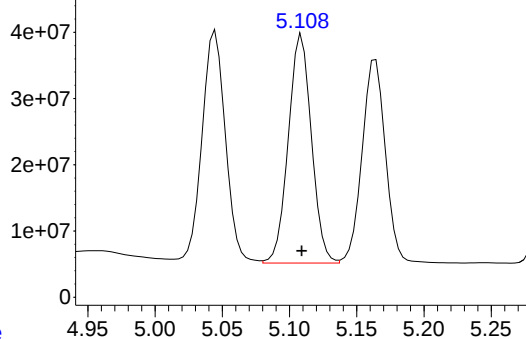


#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 279681085
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

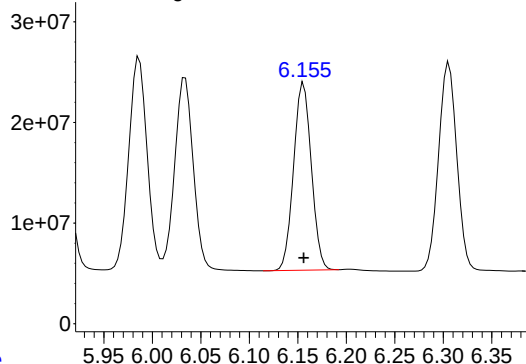
Time Response_ Signal: PL097273.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 412252970
Conc: 50.00 ng/ml

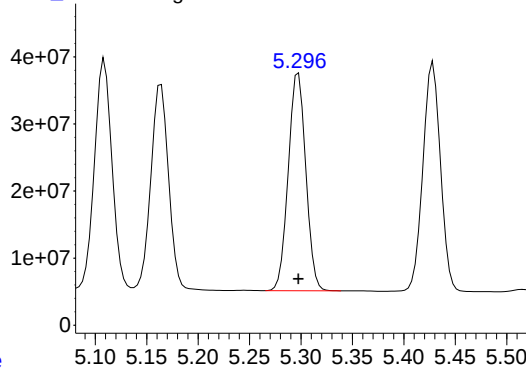
Time Response_ Signal: PL097273.D\ECD1A.ch



#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 236853564
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD2B.ch



#12 4,4'-DDE

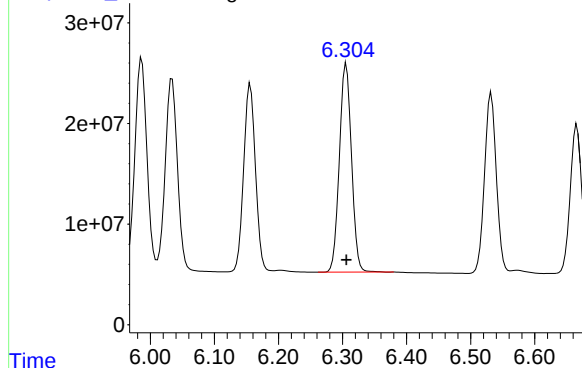
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 384972088
Conc: 50.00 ng/ml

Response_ Signal: PL097273.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 272531125
Conc: 50.00 ng/ml

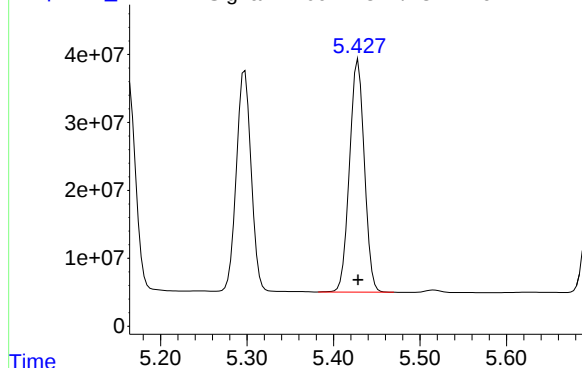
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



Time Response_ Signal: PL097273.D\ECD2B.ch

#13 Dieldrin

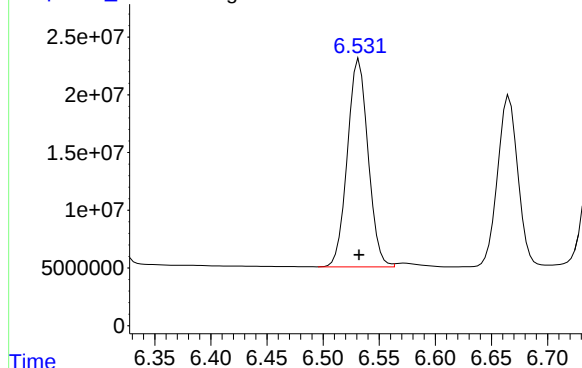
R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 406608694
Conc: 50.00 ng/ml



Time Response_ Signal: PL097273.D\ECD1A.ch

#14 Endrin

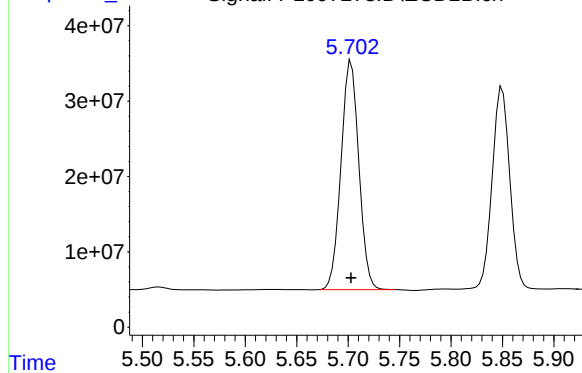
R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 230915586
Conc: 50.00 ng/ml



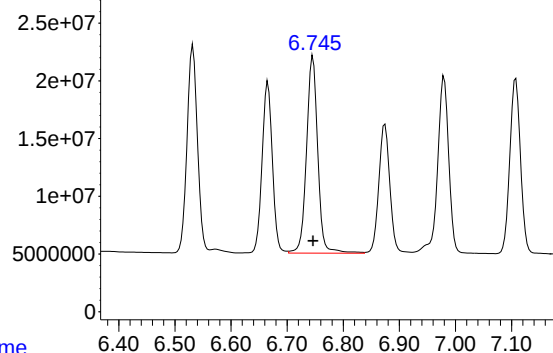
Time Response_ Signal: PL097273.D\ECD2B.ch

#14 Endrin

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 366945781
Conc: 50.00 ng/ml



Response_ Signal: PL097273.D\ECD1A.ch

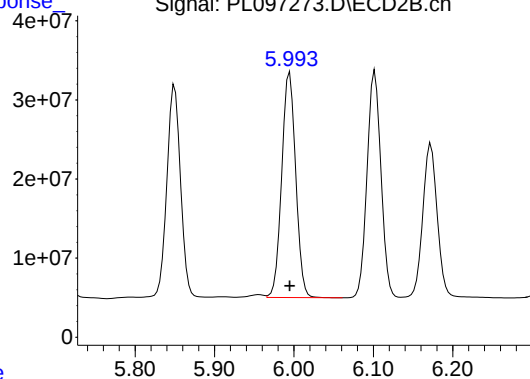


#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 238734223
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

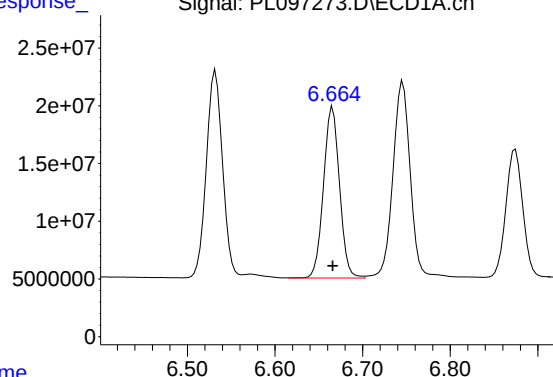
Time Response_ Signal: PL097273.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: 0.000 min
Response: 347845976
Conc: 50.00 ng/ml

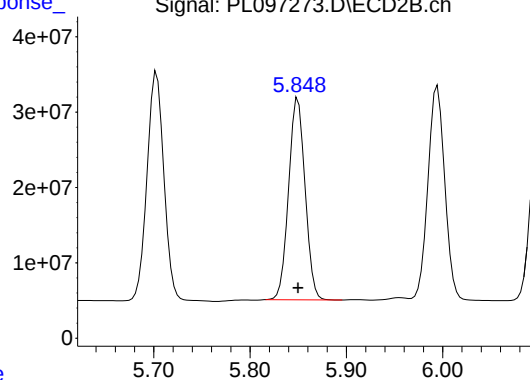
Time Response_ Signal: PL097273.D\ECD1A.ch



#16 4,4'-DDD

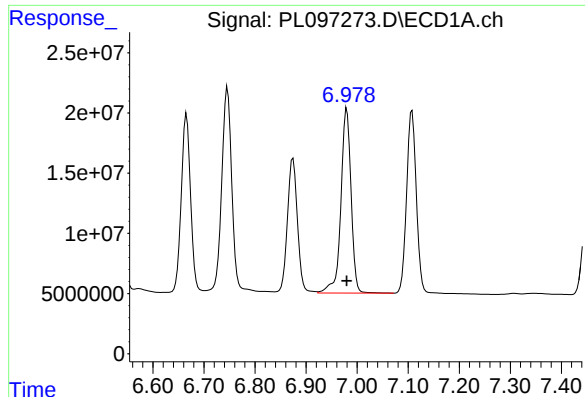
R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 188136249
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD2B.ch



#16 4,4'-DDD

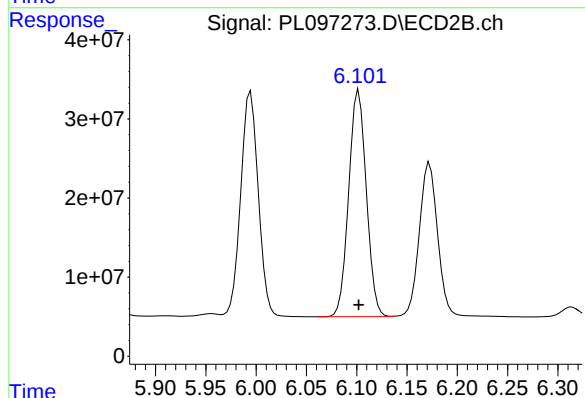
R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 317900333
Conc: 50.00 ng/ml



#17 4,4'-DDT

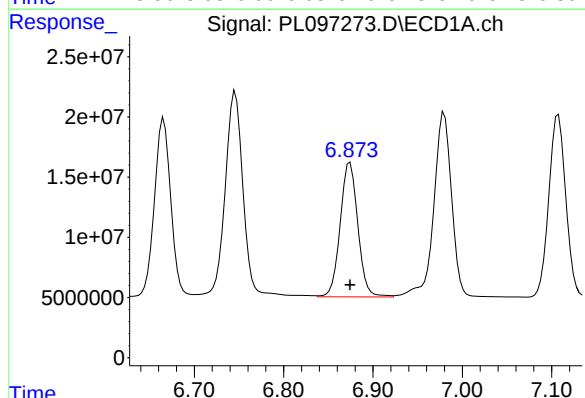
R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 212266786
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



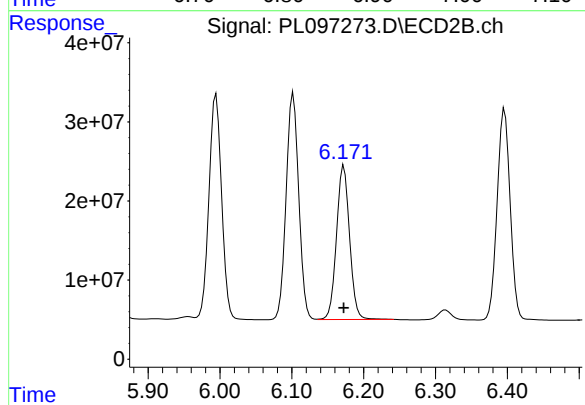
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 348642967
Conc: 50.00 ng/ml



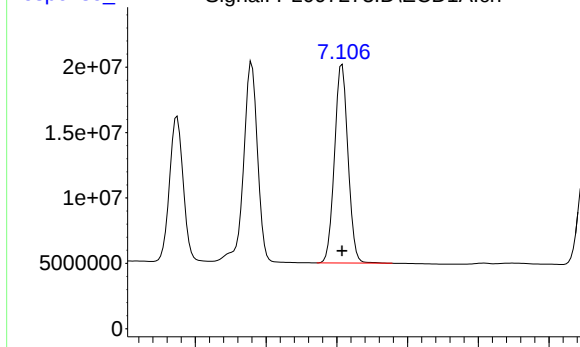
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 152959942
Conc: 50.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 245722635
Conc: 50.00 ng/ml

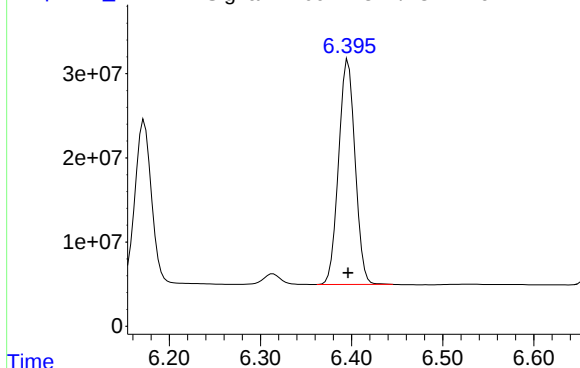


R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 201004486
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time Response_ Signal: PL097273.D\ECD2B.ch

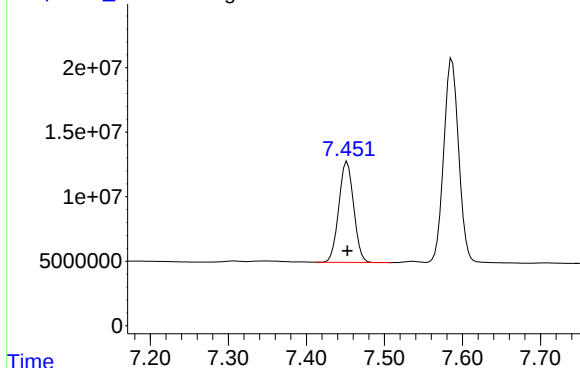
#19 Endosulfan Sulfate



R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 335820178
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD1A.ch

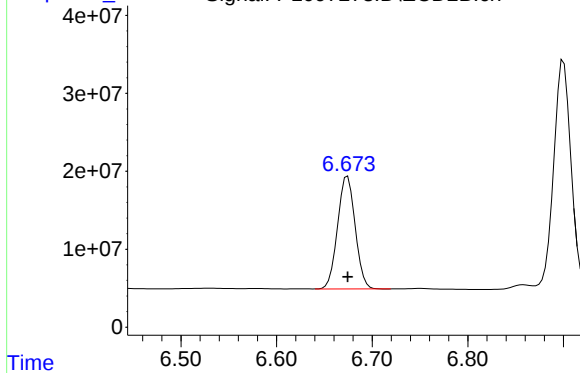
#20 Methoxychlor



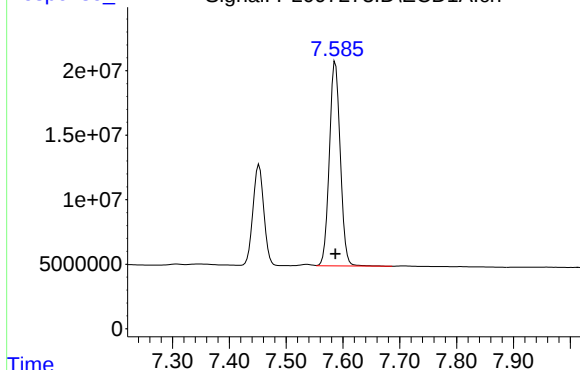
R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 103130847
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 184933224
Conc: 50.00 ng/ml

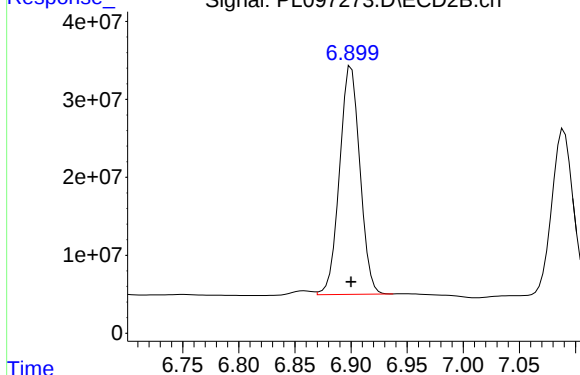


R.T.: 7.587 min
Delta R.T.: 0.000 min
Response: 211242312
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time Response_ Signal: PL097273.D\ECD2B.ch

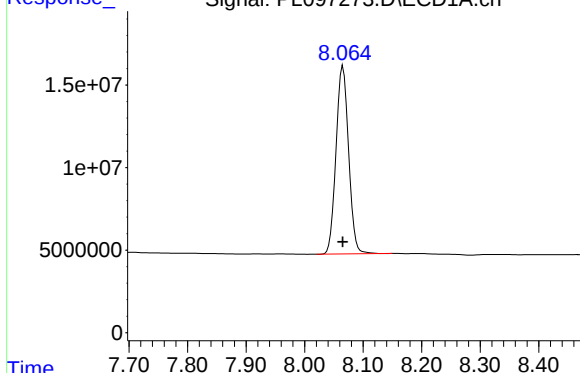
#21 Endrin ketone



R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 369566878
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD1A.ch

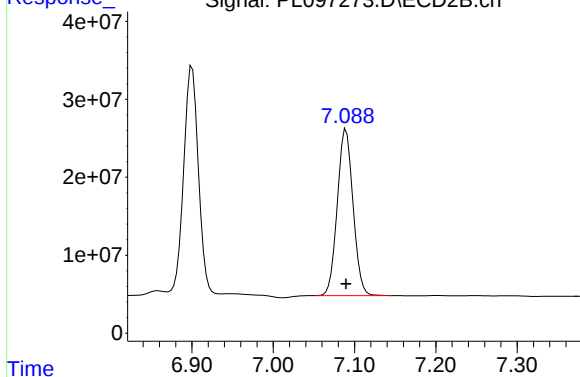
#22 Mirex



R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 170173545
Conc: 50.00 ng/ml

Time Response_ Signal: PL097273.D\ECD2B.ch

#22 Mirex



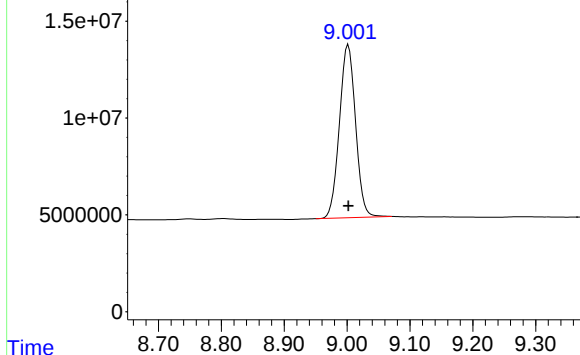
R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 286895832
Conc: 50.00 ng/ml

Response_

Signal: PL097273.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.002 min
Delta R.T.: 0.000 min
Response: 159380805
Conc: 50.00 ng/ml

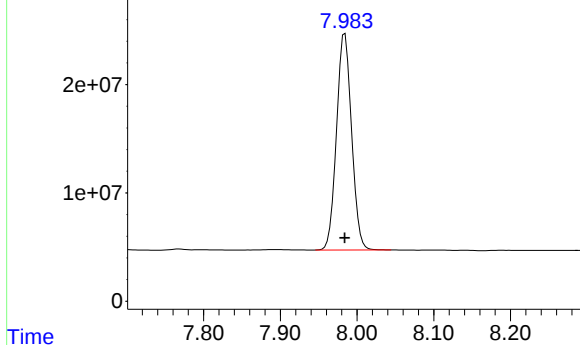
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL097273.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 272987026
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:47
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:45:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	110.1E6	159.6E6	24.651	24.745
28)	SA Decachlor...	9.001	7.984	81068137	140.6E6	25.432	25.748
Target Compounds							
2)	A alpha-BHC	3.974	3.329	165.9E6	238.9E6	23.631	23.856
3)	MA gamma-BHC...	4.302	3.661	158.0E6	224.8E6	23.963	24.169
4)	MA Heptachlor	4.893	4.009	160.7E6	227.0E6	24.315	24.626
5)	MB Aldrin	5.232	4.291	151.8E6	210.1E6	24.117	24.257
6)	B beta-BHC	4.489	3.957	66839868	99596935	24.946	25.226
7)	B delta-BHC	4.735	4.190	146.9E6	220.9E6	23.960	23.922
8)	B Heptachlo...	5.652	4.793	145.7E6	194.1E6	25.316	24.782
9)	A Endosulfan I	6.034	5.164	125.0E6	186.4E6	24.417	25.081
10)	B gamma-Chl...	5.906	5.045	136.6E6	215.6E6	24.338	25.170
11)	B alpha-Chl...	5.986	5.109	137.3E6	206.1E6	24.543	24.992
12)	B 4,4'-DDE	6.156	5.297	112.8E6	185.2E6	23.816	24.048
13)	MA Dieldrin	6.306	5.428	131.4E6	197.7E6	24.115	24.315
14)	MA Endrin	6.532	5.702	108.9E6	182.2E6	23.581	24.832
15)	B Endosulfa...	6.746	5.995	118.2E6	173.5E6	24.764	24.933
16)	A 4,4'-DDD	6.665	5.850	89516591	156.6E6	23.790	24.632
17)	MA 4,4'-DDT	6.979	6.102	101.6E6	167.4E6	23.933	24.009
18)	B Endrin al...	6.875	6.173	75911729	128.9E6	24.814	26.230
19)	B Endosulfa...	7.108	6.396	98950148	168.3E6	24.614	25.062
20)	A Methoxychlor	7.453	6.675	51380116	94210076	24.910	25.471
21)	B Endrin ke...	7.587	6.900	102.9E6	184.8E6	24.367	25.000
22)	Mirex	8.065	7.090	87774467	148.3E6	25.790	25.847

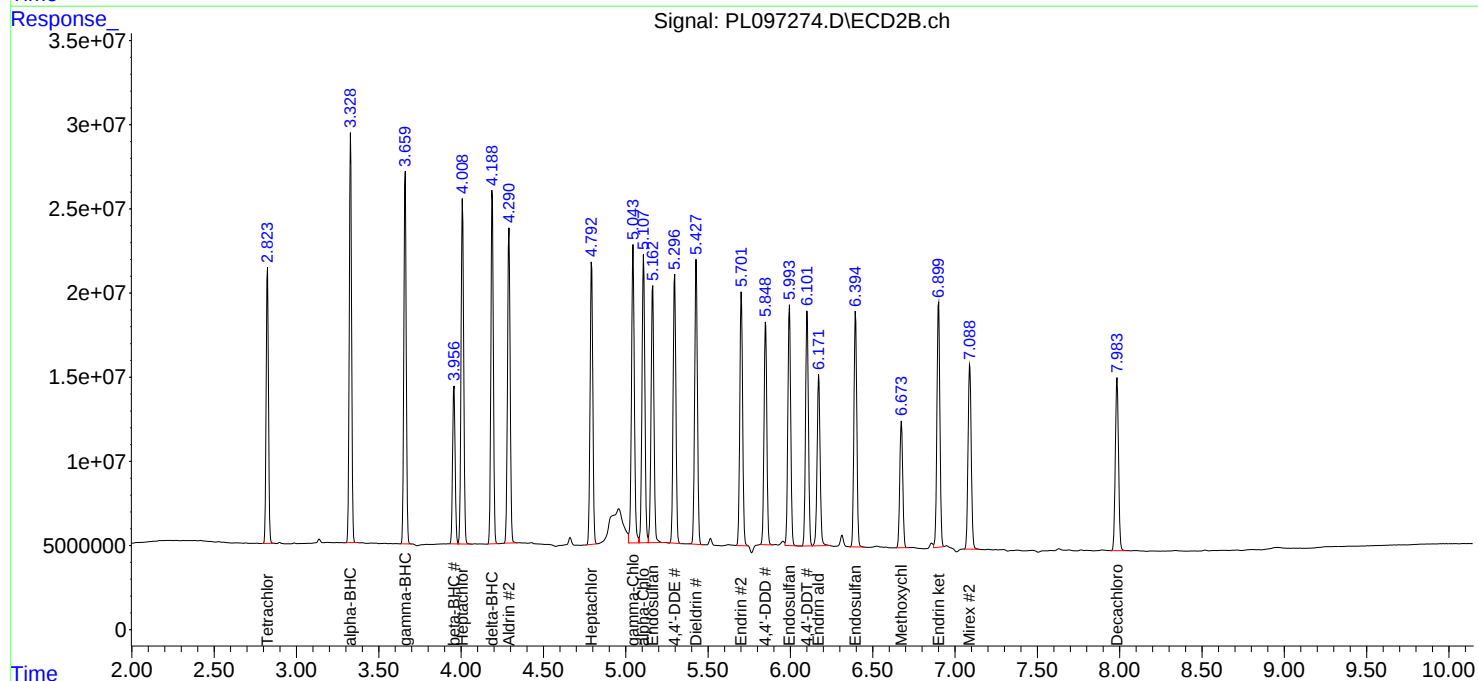
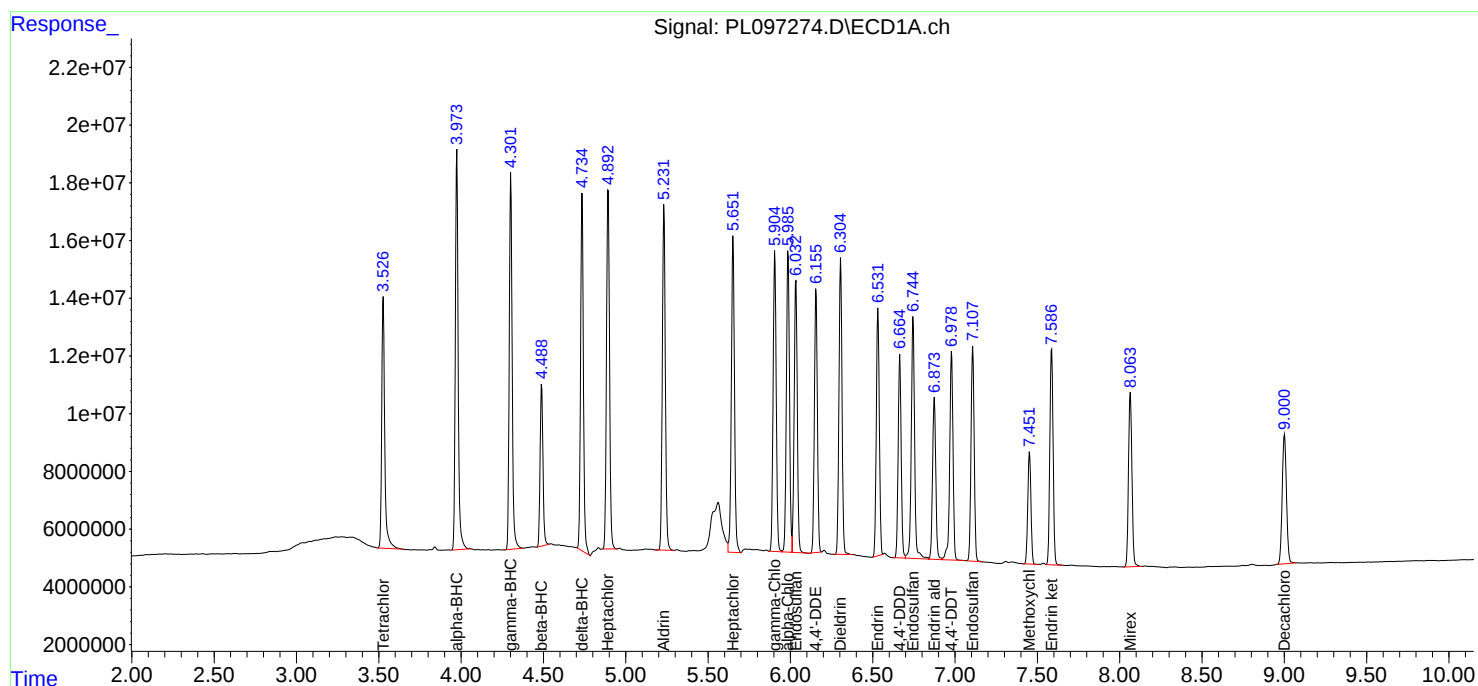
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

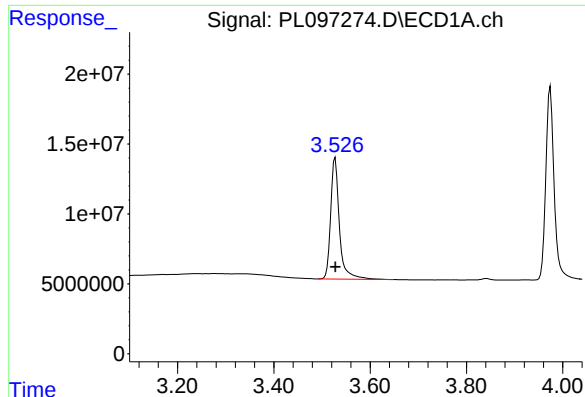
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:47
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:45:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

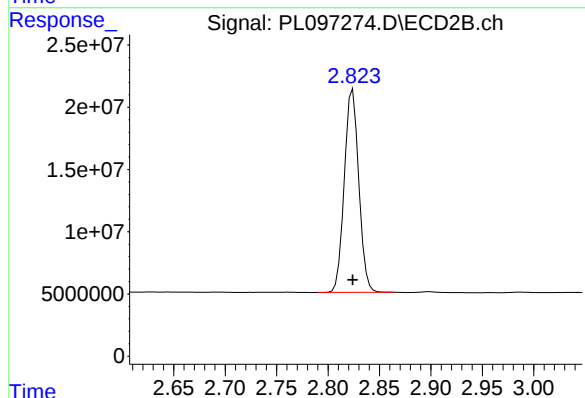




#1 Tetrachloro-m-xylene

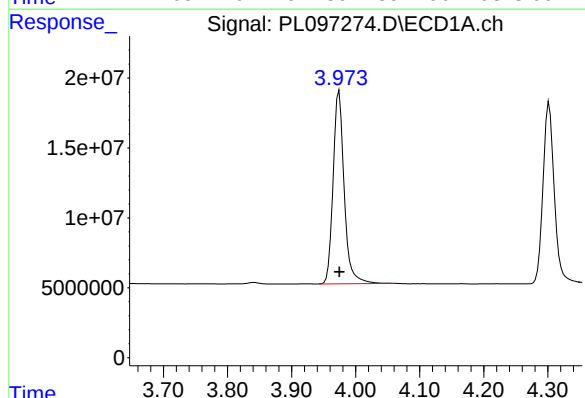
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 110068482
Conc: 24.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



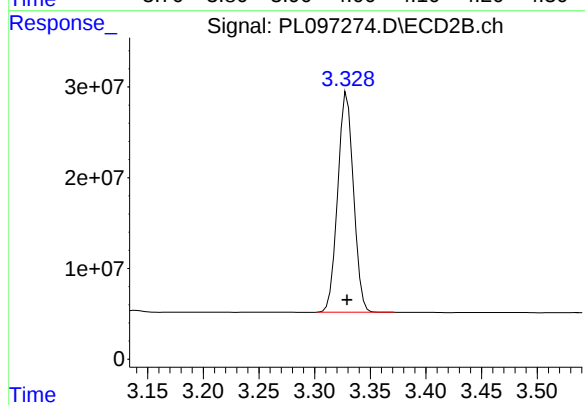
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 159604716
Conc: 24.75 ng/ml



#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 165893323
Conc: 23.63 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 238902591
Conc: 23.86 ng/ml

Response_ Signal: PL097274.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 158012196
Conc: 23.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_ Signal: PL097274.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 224782565
Conc: 24.17 ng/ml

Time

Response_ Signal: PL097274.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 160674191
Conc: 24.31 ng/ml

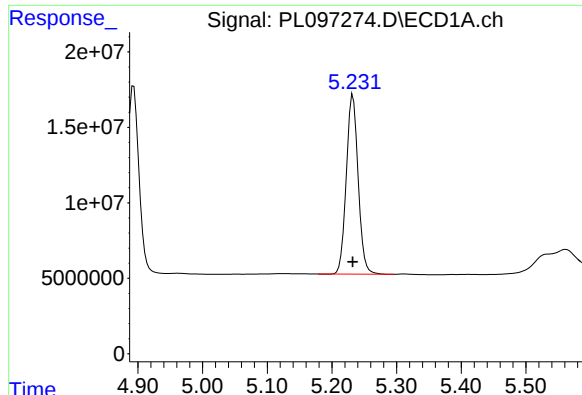
Time

Response_ Signal: PL097274.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: 0.000 min
Response: 226955226
Conc: 24.63 ng/ml

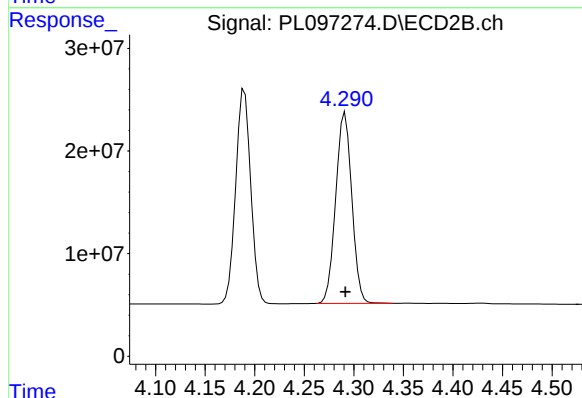
Time



#5 Aldrin

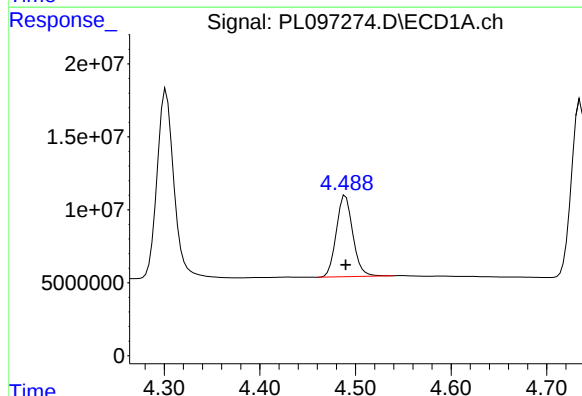
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 151816124
Conc: 24.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



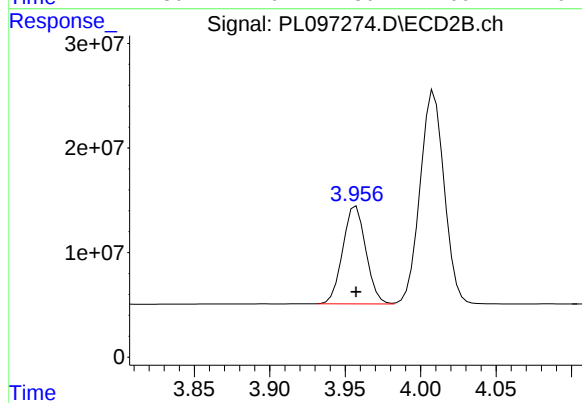
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 210101870
Conc: 24.26 ng/ml



#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 66839868
Conc: 24.95 ng/ml



#6 beta-BHC

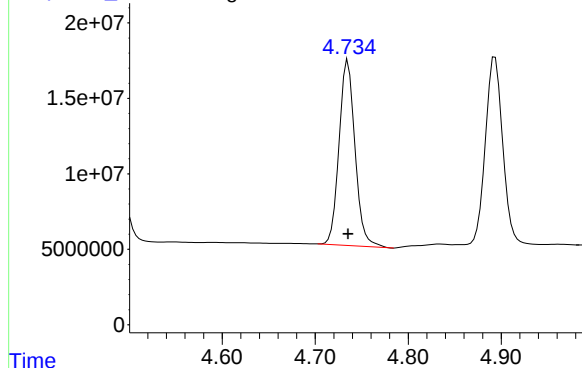
R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 99596935
Conc: 25.23 ng/ml

Response_ Signal: PL097274.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: 0.000 min
Response: 146870837
Conc: 23.96 ng/ml

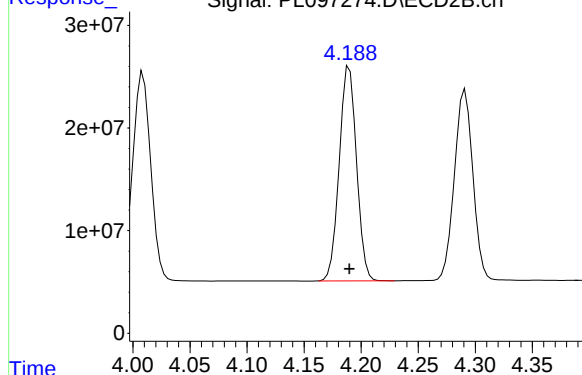
Instrument :
ECD_L
ClientSampleId :
PSTDICC025



Time Response_ Signal: PL097274.D\ECD2B.ch

#7 delta-BHC

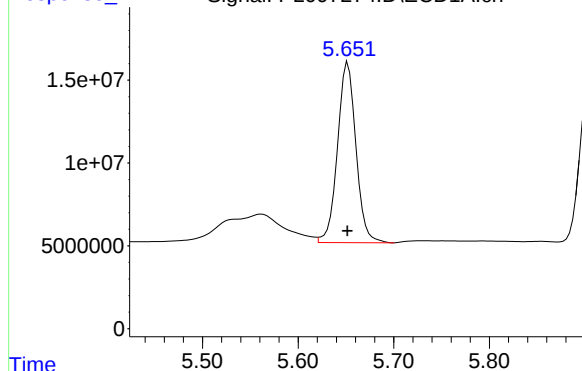
R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 220859071
Conc: 23.92 ng/ml



Time Response_ Signal: PL097274.D\ECD1A.ch

#8 Heptachlor epoxide

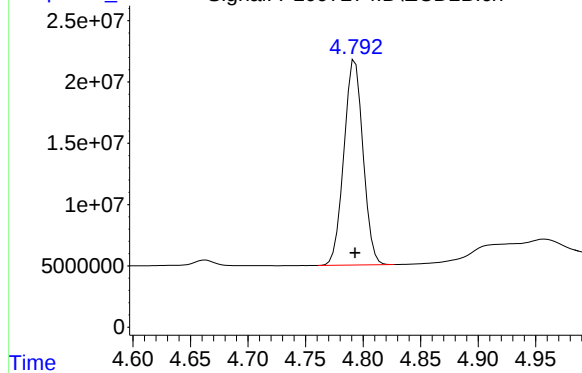
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 145738482
Conc: 25.32 ng/ml

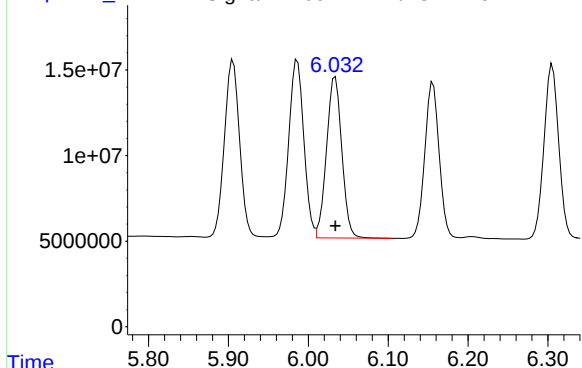


Time Response_ Signal: PL097274.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 194088130
Conc: 24.78 ng/ml





R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 125042663
Conc: 24.42 ng/ml

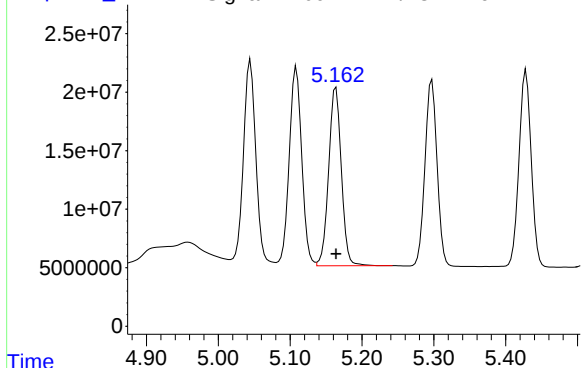
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PL097274.D\ECD2B.ch

#9 Endosulfan I



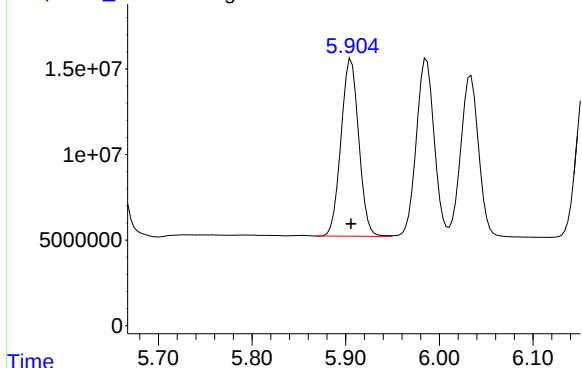
R.T.: 5.164 min
Delta R.T.: 0.000 min
Response: 186367224
Conc: 25.08 ng/ml

Time

Response_

Signal: PL097274.D\ECD1A.ch

#10 gamma-Chlordane



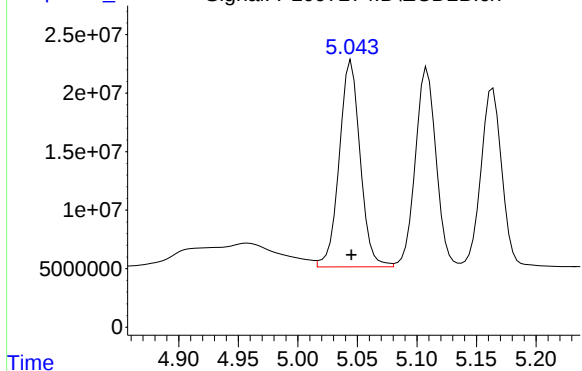
R.T.: 5.906 min
Delta R.T.: 0.000 min
Response: 136552007
Conc: 24.34 ng/ml

Time

Response_

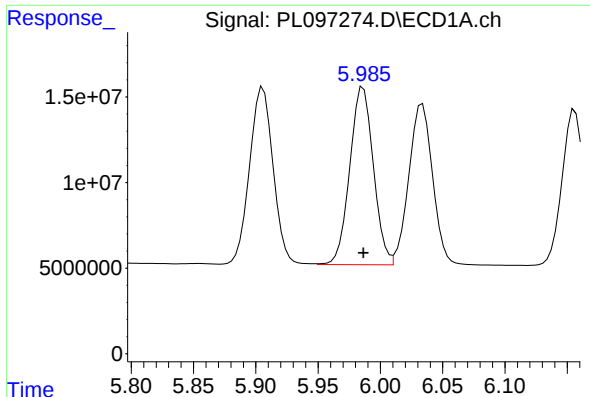
Signal: PL097274.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 215605423
Conc: 25.17 ng/ml

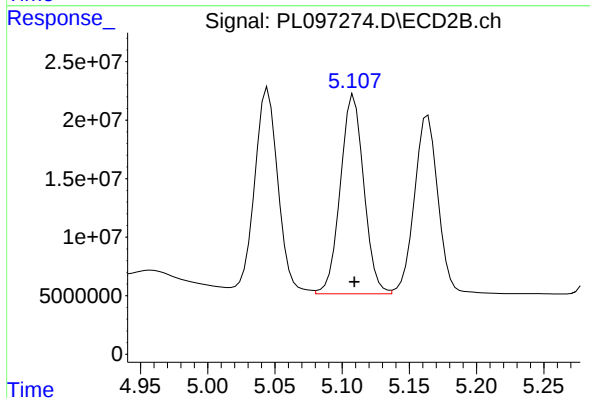
Time



#11 alpha-Chlordane

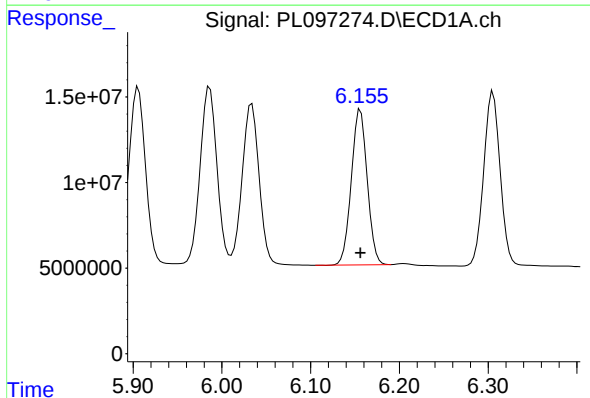
R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 137281830
Conc: 24.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



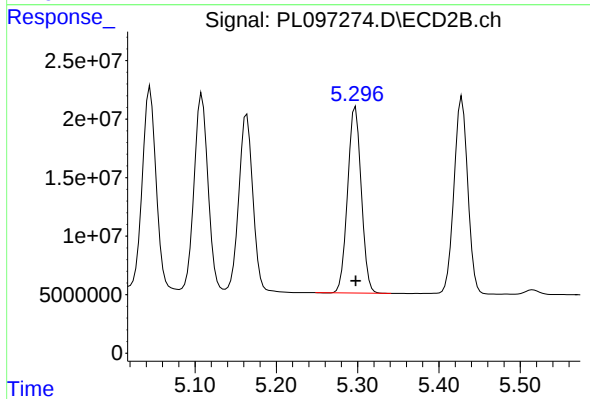
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 206063078
Conc: 24.99 ng/ml



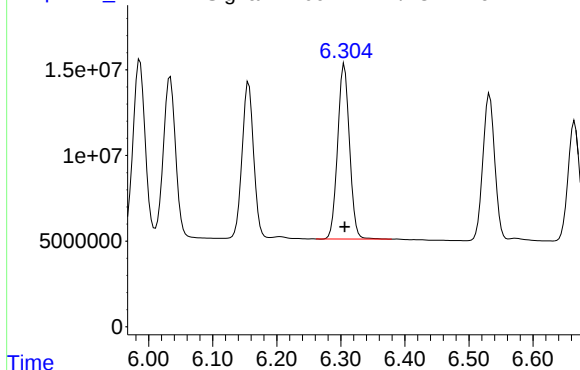
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 112820404
Conc: 23.82 ng/ml



#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 185153541
Conc: 24.05 ng/ml

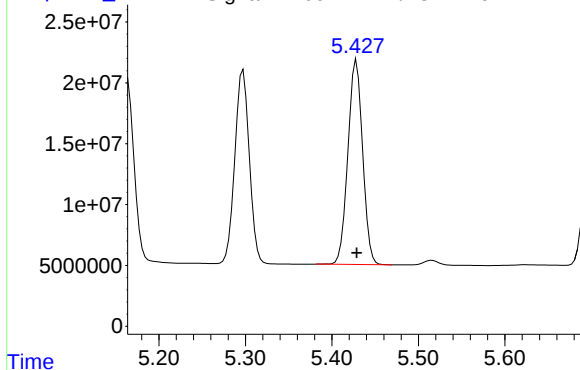


R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 131439311
Conc: 24.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time Response_ Signal: PL097274.D\ECD2B.ch

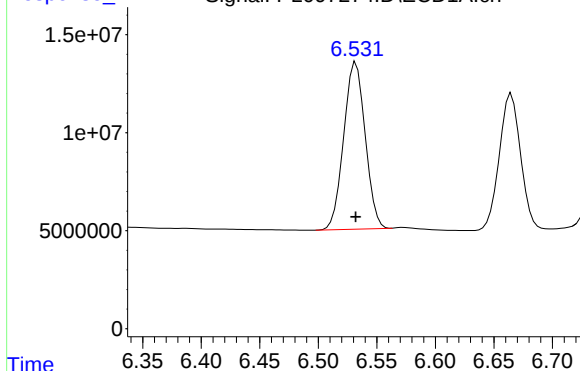
#13 Dieldrin



R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 197730841
Conc: 24.31 ng/ml

Time Response_ Signal: PL097274.D\ECD1A.ch

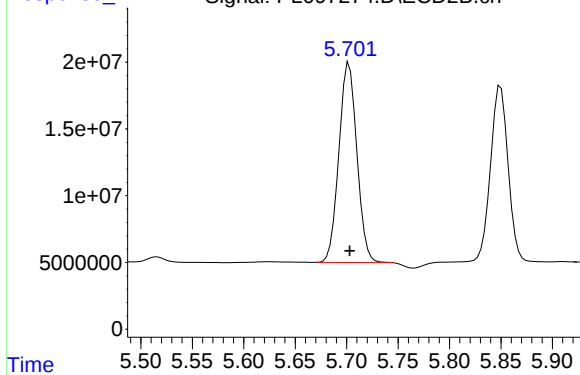
#14 Endrin



R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 108906161
Conc: 23.58 ng/ml

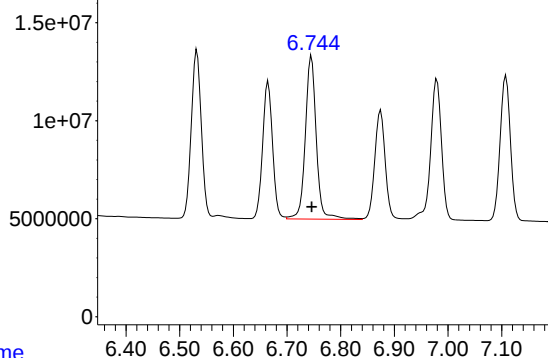
Time Response_ Signal: PL097274.D\ECD2B.ch

#14 Endrin



R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 182242599
Conc: 24.83 ng/ml

Response_ Signal: PL097274.D\ECD1A.ch

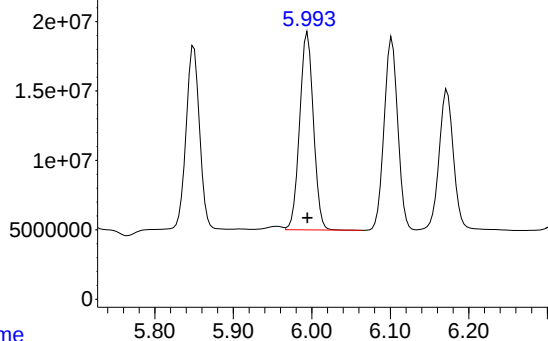


#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 118239756
Conc: 24.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

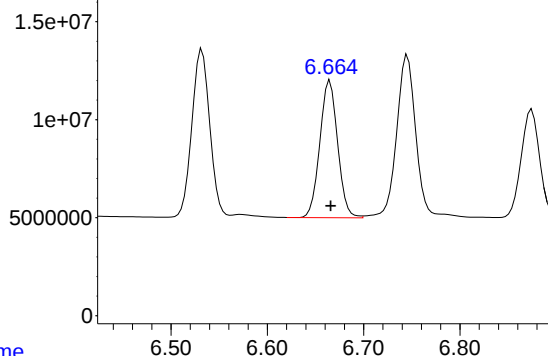
Time Response_ Signal: PL097274.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: 0.000 min
Response: 173456569
Conc: 24.93 ng/ml

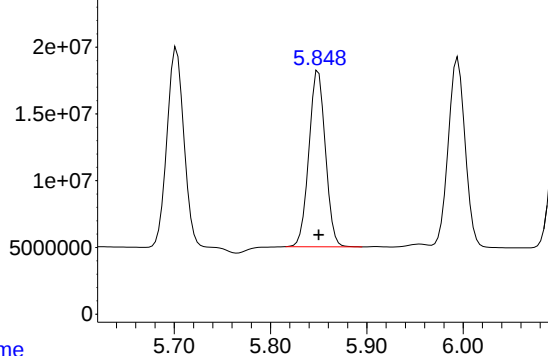
Time Response_ Signal: PL097274.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 89516591
Conc: 23.79 ng/ml

Time Response_ Signal: PL097274.D\ECD2B.ch



#16 4,4'-DDD

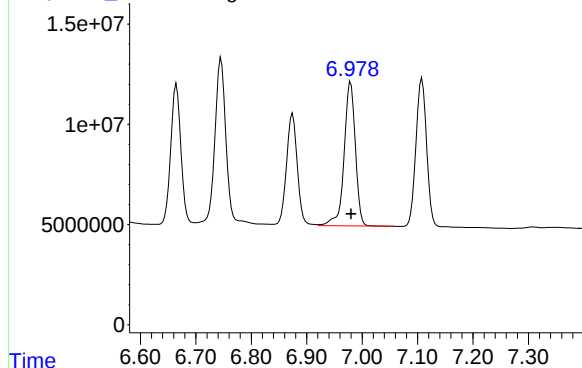
R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 156608392
Conc: 24.63 ng/ml

Response_ Signal: PL097274.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 101603677
Conc: 23.93 ng/ml

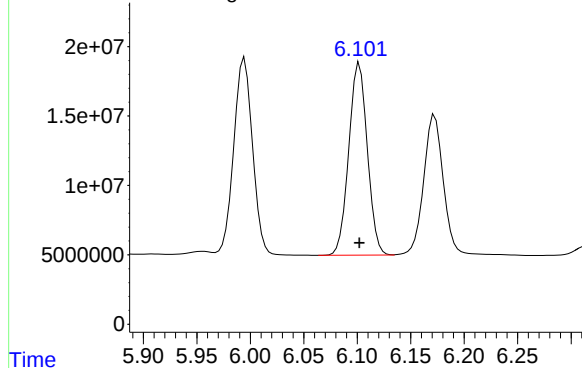
Instrument :
ECD_L
ClientSampleId :
PSTDICC025



Response_ Signal: PL097274.D\ECD2B.ch

#17 4,4'-DDT

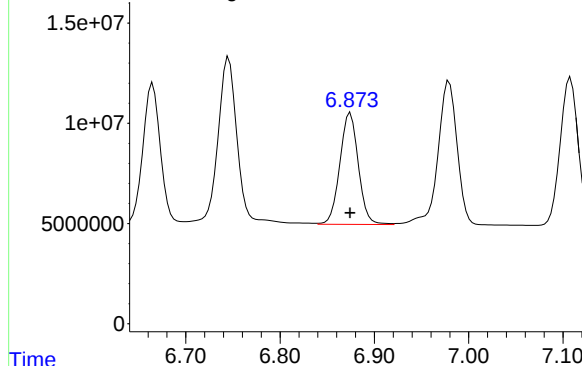
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 167414372
Conc: 24.01 ng/ml



Response_ Signal: PL097274.D\ECD1A.ch

#18 Endrin aldehyde

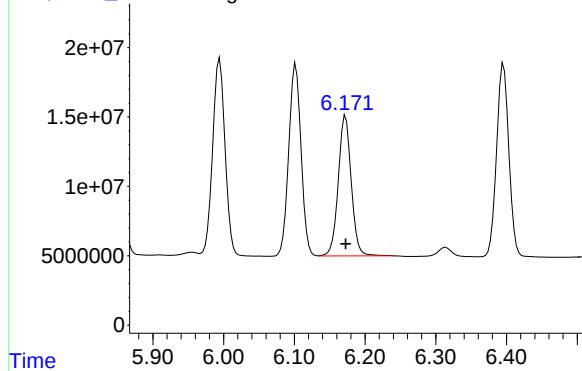
R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 75911729
Conc: 24.81 ng/ml



Response_ Signal: PL097274.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 128905337
Conc: 26.23 ng/ml

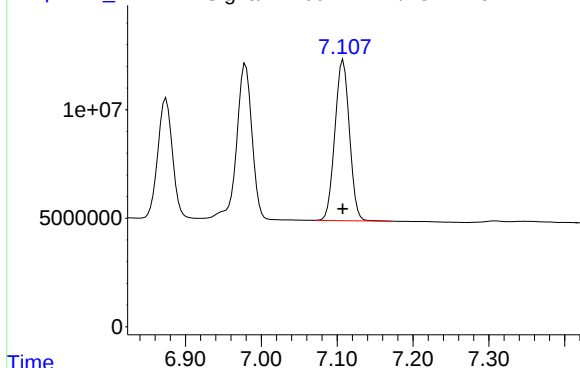


Response_

Signal: PL097274.D\ECD1A.ch

#19 Endosulfan Sulfate

ICAL Form



R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 98950148
Conc: 24.61 ng/ml

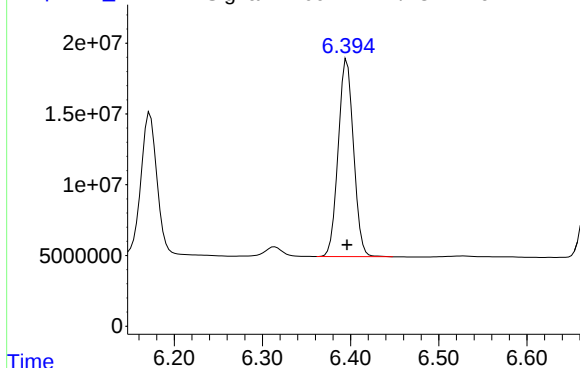
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PL097274.D\ECD2B.ch

#19 Endosulfan Sulfate



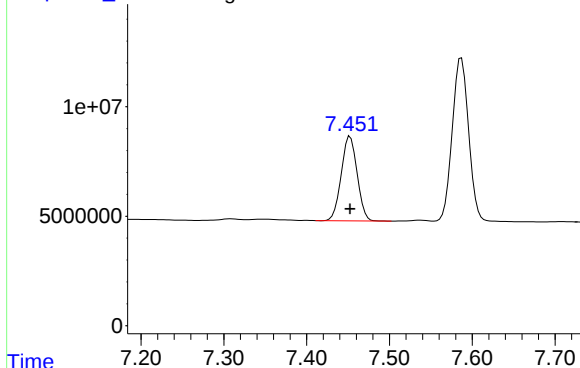
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 168328094
Conc: 25.06 ng/ml

Time

Response_

Signal: PL097274.D\ECD1A.ch

#20 Methoxychlor



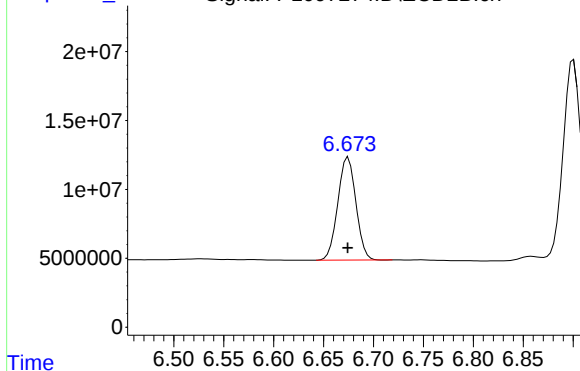
R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 51380116
Conc: 24.91 ng/ml

Time

Response_

Signal: PL097274.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 94210076
Conc: 25.47 ng/ml

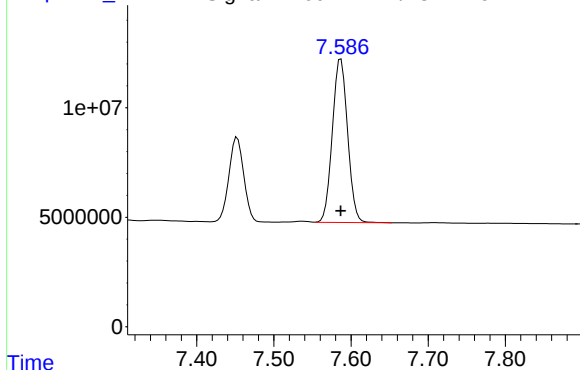
Time

Response_

Signal: PL097274.D\ECD1A.ch

#21 Endrin ketone

ICAL Form



R.T.: 7.587 min
Delta R.T.: 0.000 min
Response: 102945401
Conc: 24.37 ng/ml

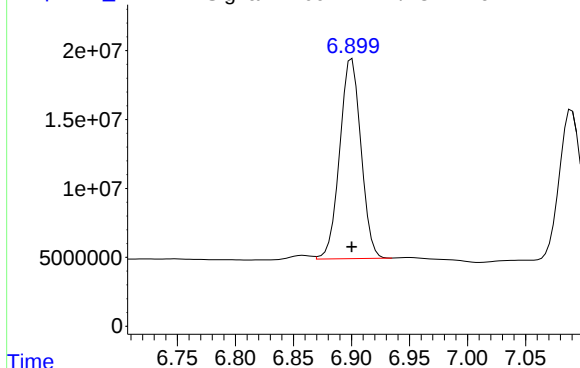
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PL097274.D\ECD2B.ch

#21 Endrin ketone



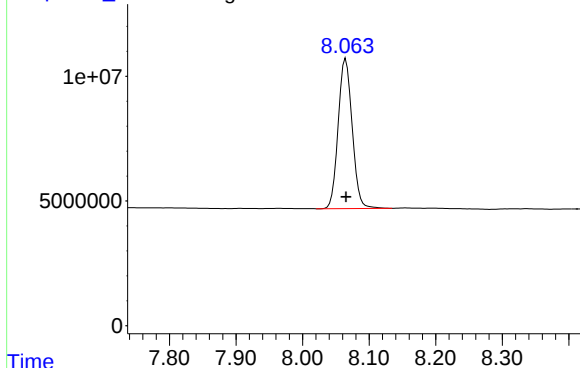
R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 184783886
Conc: 25.00 ng/ml

Time

Response_

Signal: PL097274.D\ECD1A.ch

#22 Mirex



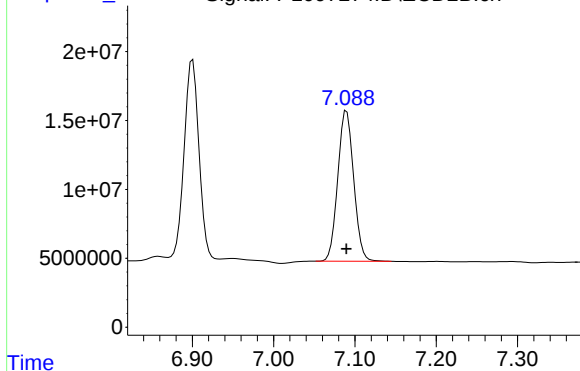
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 87774467
Conc: 25.79 ng/ml

Time

Response_

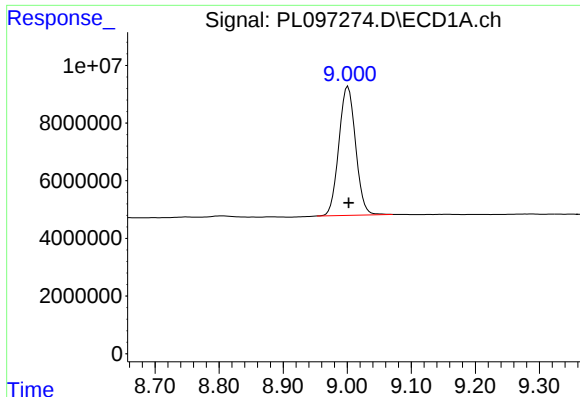
Signal: PL097274.D\ECD2B.ch

#22 Mirex



R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 148308729
Conc: 25.85 ng/ml

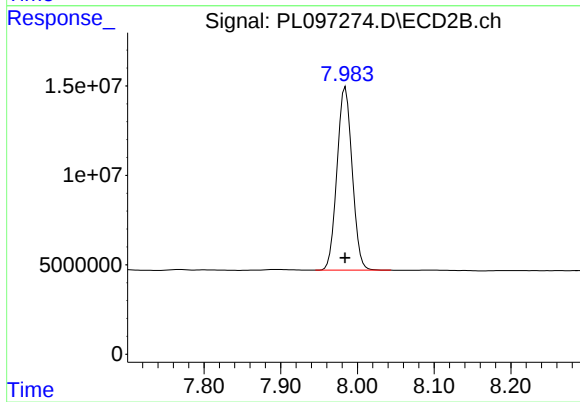
Time



#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 81068137
Conc: 25.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 140579477
Conc: 25.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097275.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 18:00
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

Client SampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:45:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.824	23772791	35198466	5.324	5.457
2) SA Decachlor...	9.001	7.984	18285769	33532264	5.737	6.142
Target Compounds						
2) A alpha-BHC	3.974	3.328	33487008	48361581	4.770	4.829
3) MA gamma-BHC...	4.302	3.660	32554930	46374195	4.937	4.986
4) MA Heptachlor	4.893	4.008	34426346	48848941	5.210	5.300
5) MB Aldrin	5.232	4.290	31901901	43982840	5.068	5.078
6) B beta-BHC	4.490	3.957	14725134	22540181	5.496	5.709
7) B delta-BHC	4.733	4.189	28774806	45070449	4.694m	4.882
8) B Heptachlo...	5.650	4.793	28644801	42436094	4.976m	5.418
9) A Endosulfan I	6.033	5.163	27081618	44002825	5.288	5.922
10) B gamma-Chl...	5.905	5.043	28749631	47175597	5.124	5.507m
11) B alpha-Chl...	5.986	5.107	29943592	42753742	5.353	5.185m
12) B 4,4'-DDE	6.156	5.297	23948455	38300213	5.056	4.974
13) MA Dieldrin	6.305	5.428	27648945	42357479	5.073	5.209
14) MA Endrin	6.532	5.702	23363118	40689632	5.059	5.544
15) B Endosulfa...	6.744	5.994	28776249	38809493	6.027m	5.579
16) A 4,4'-DDD	6.665	5.850	19149707	32954369	5.089	5.183
17) MA 4,4'-DDT	6.979	6.102	20744145	33603734	4.886	4.819
18) B Endrin al...	6.874	6.171	16425107	35487549	5.369	7.221m#
19) B Endosulfa...	7.108	6.396	21803103	37554894	5.424	5.592
20) A Methoxychlor	7.452	6.674	11143676	21088586	5.403	5.702
21) B Endrin ke...	7.587	6.899	21956995	42459706	5.197	5.745m
22) Mirex	8.065	7.090	21205020	35794871	6.230	6.238

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 18:00
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

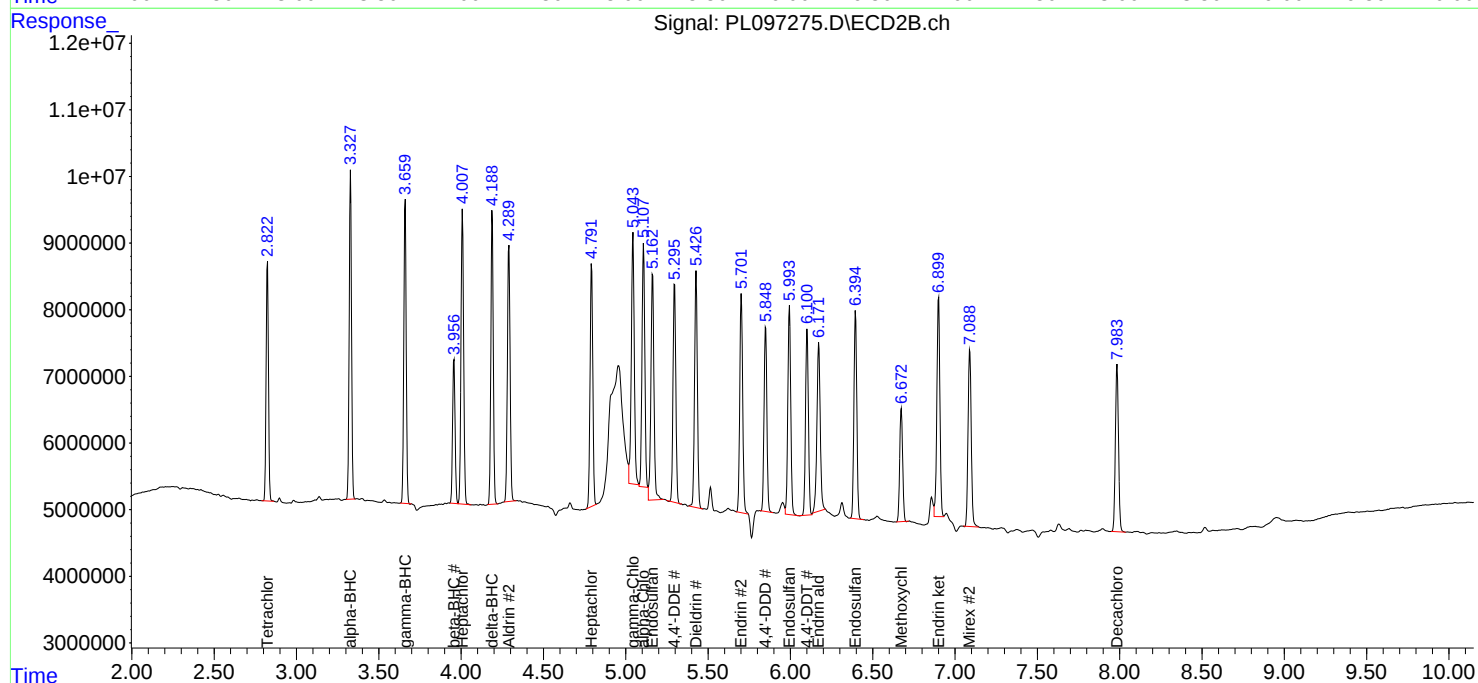
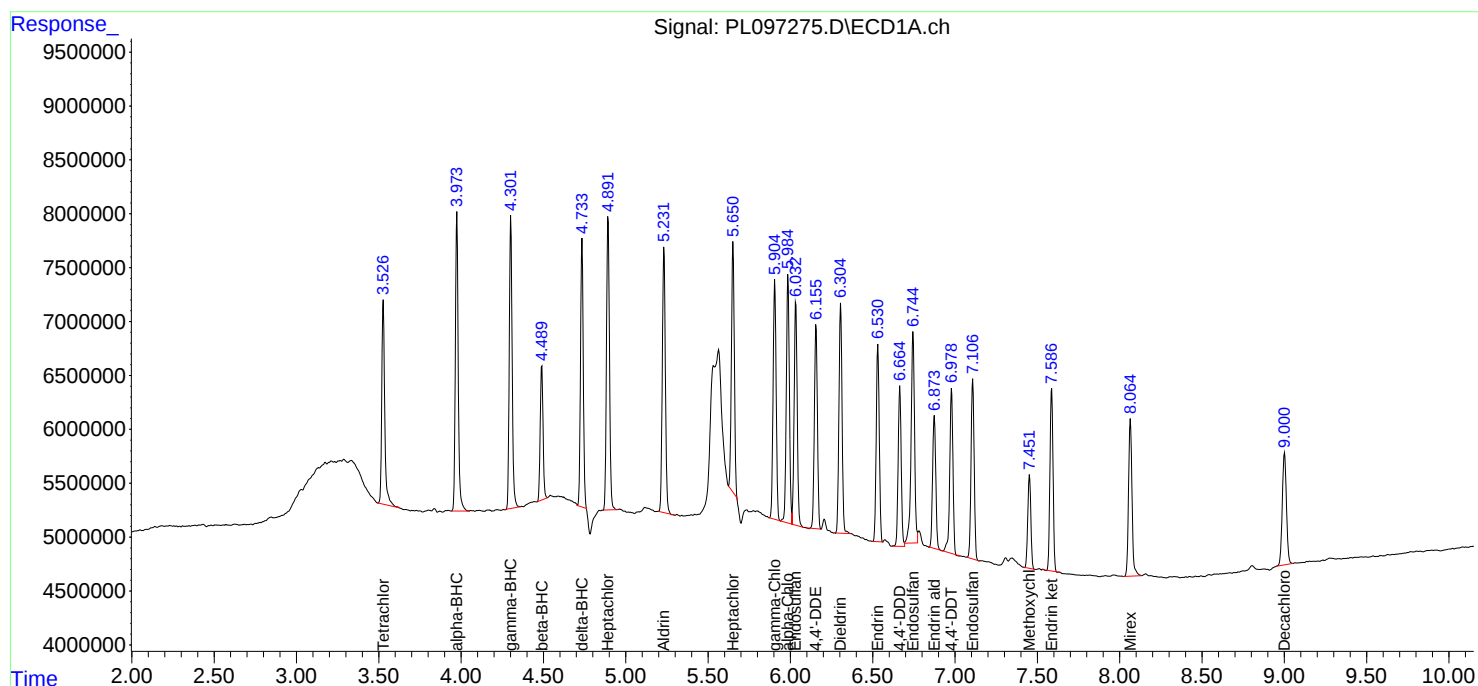
APPROVED

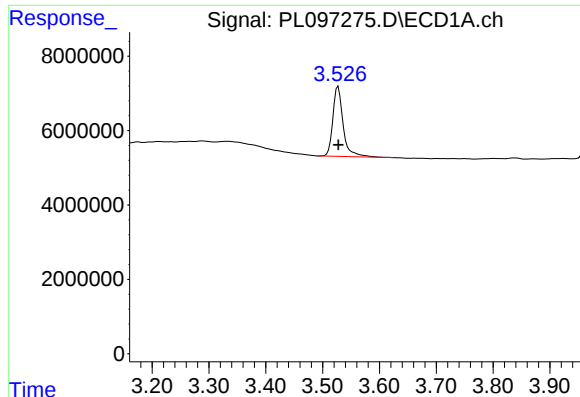
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





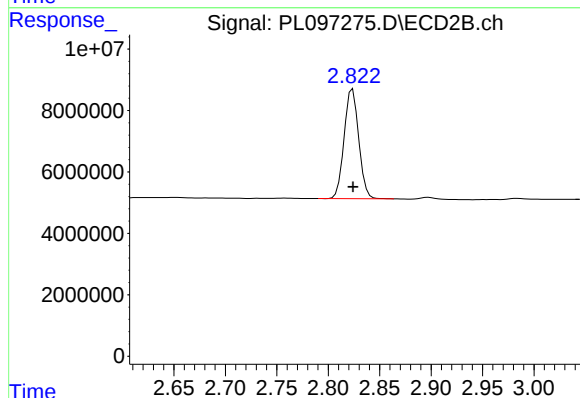
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 23772791
Conc: 5.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

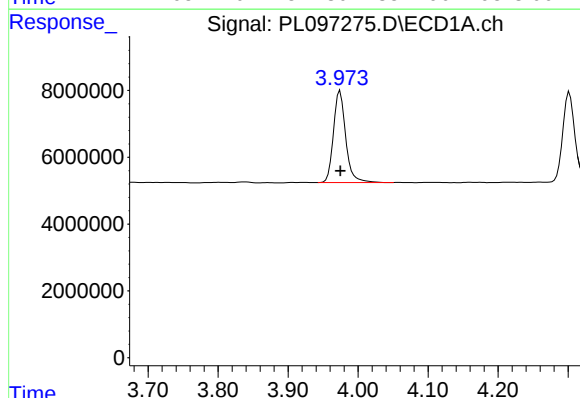
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



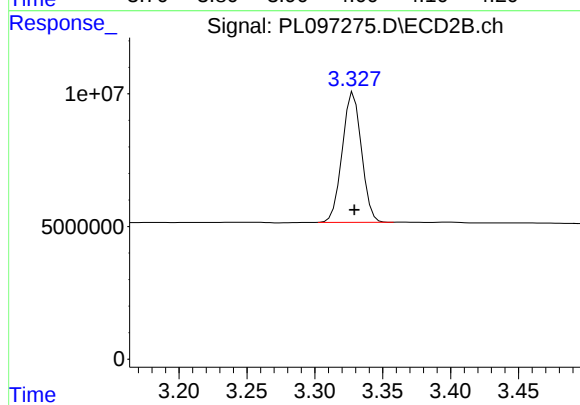
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 35198466
Conc: 5.46 ng/ml



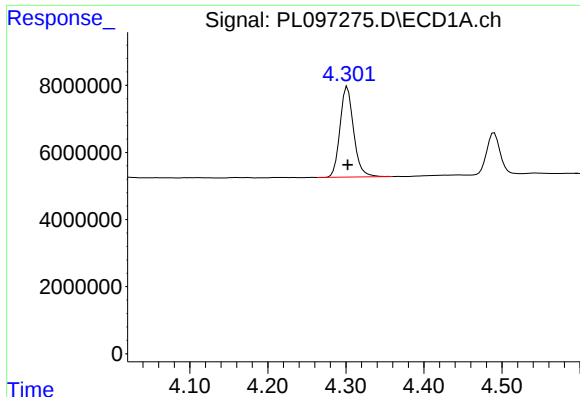
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 33487008
Conc: 4.77 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 48361581
Conc: 4.83 ng/ml



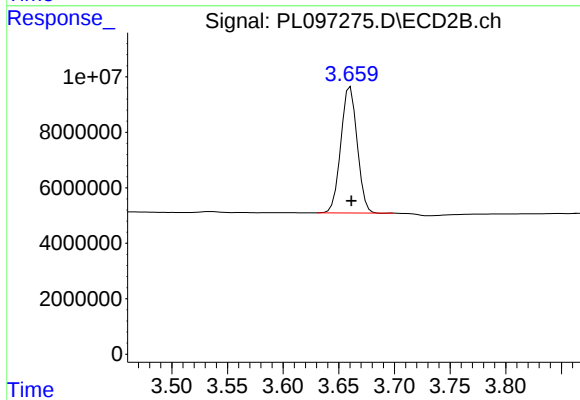
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 32554930
Conc: 4.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

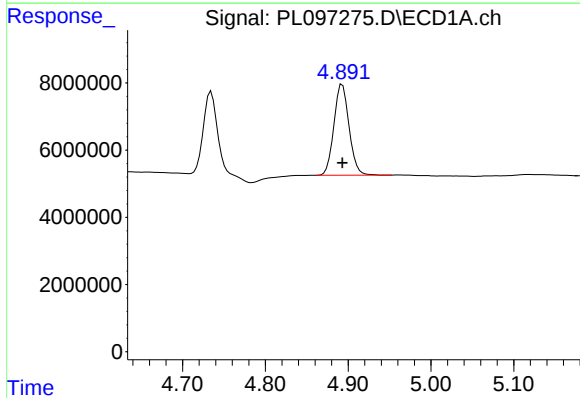
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



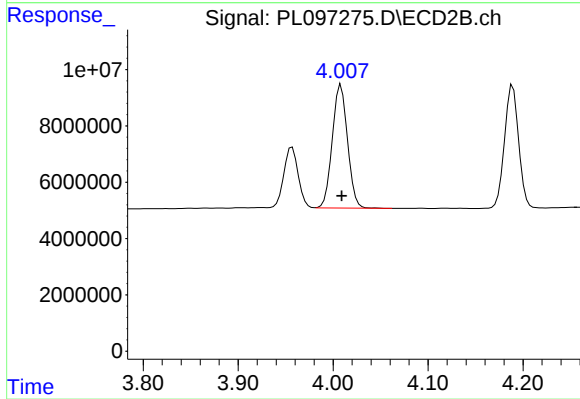
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 46374195
Conc: 4.99 ng/ml



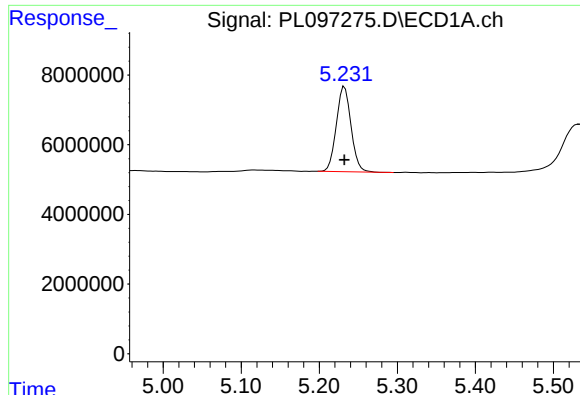
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 34426346
Conc: 5.21 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 48848941
Conc: 5.30 ng/ml



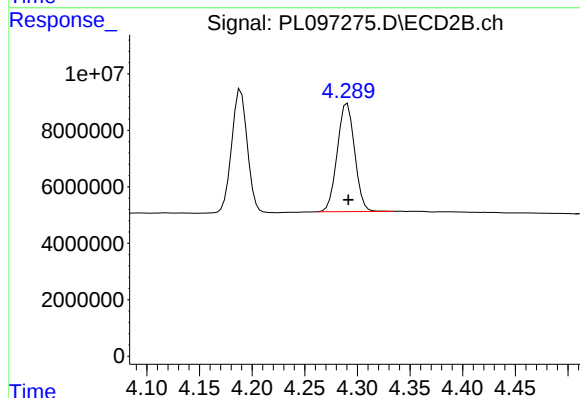
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 31901901
Conc: 5.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

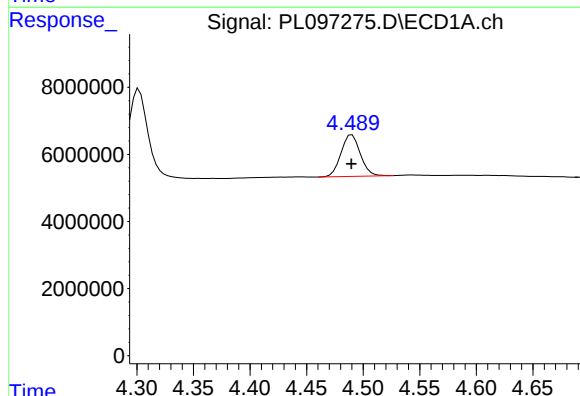
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



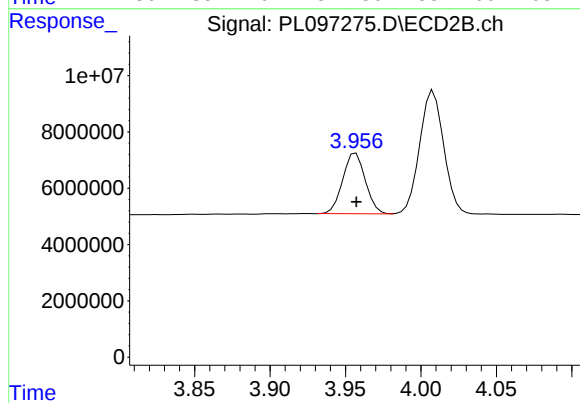
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: -0.001 min
Response: 43982840
Conc: 5.08 ng/ml



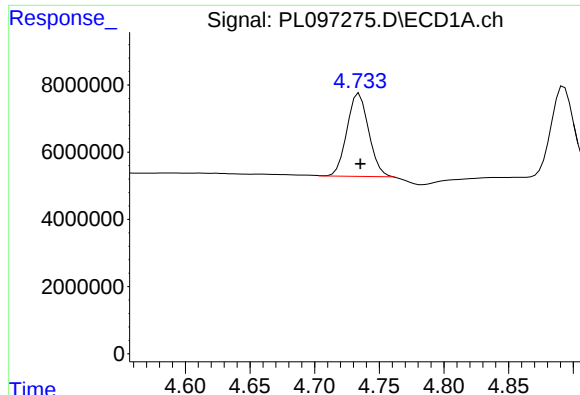
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 14725134
Conc: 5.50 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 22540181
Conc: 5.71 ng/ml



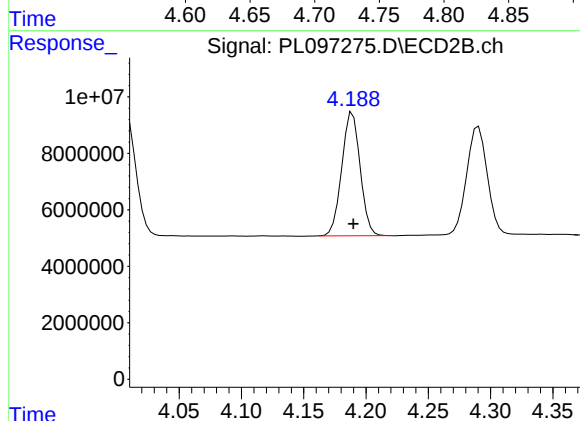
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.002 min
Response: 28774806
Conc: 4.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

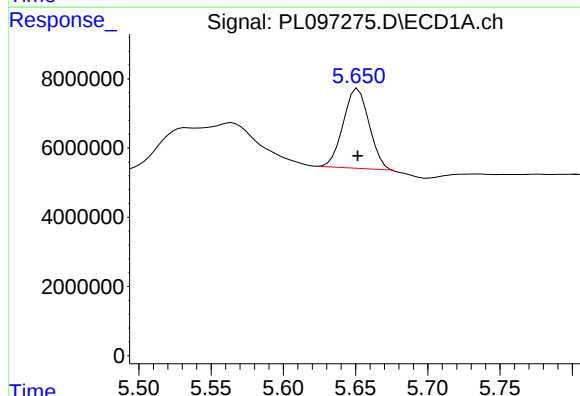
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



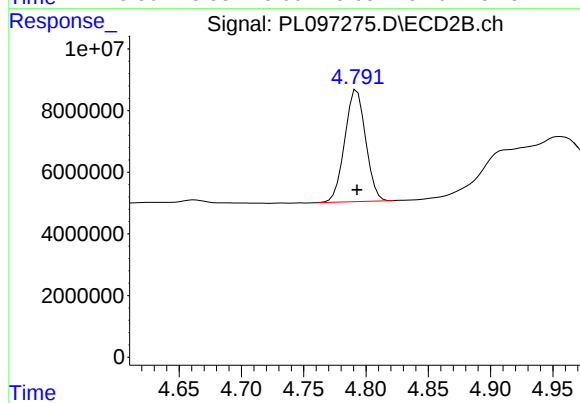
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 45070449
Conc: 4.88 ng/ml



#8 Heptachlor epoxide

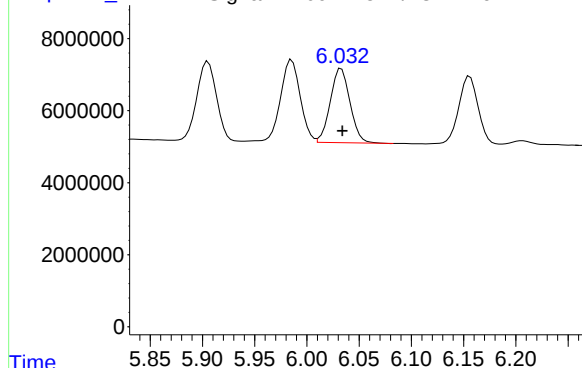
R.T.: 5.650 min
Delta R.T.: -0.001 min
Response: 28644801
Conc: 4.98 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 42436094
Conc: 5.42 ng/ml

Response_ Signal: PL097275.D\ECD1A.ch



#9 Endosulfan I

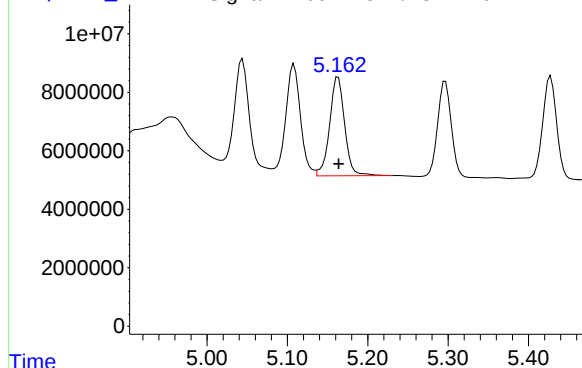
R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 27081618
Conc: 5.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

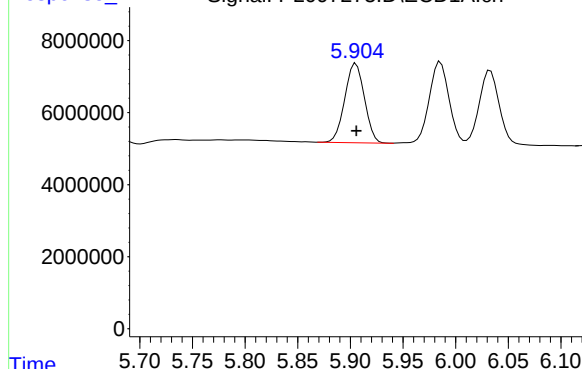
Time Response_ Signal: PL097275.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 44002825
Conc: 5.92 ng/ml

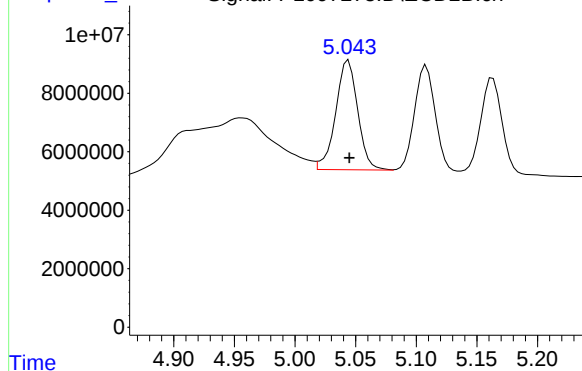
Time Response_ Signal: PL097275.D\ECD1A.ch



#10 gamma-Chlordane

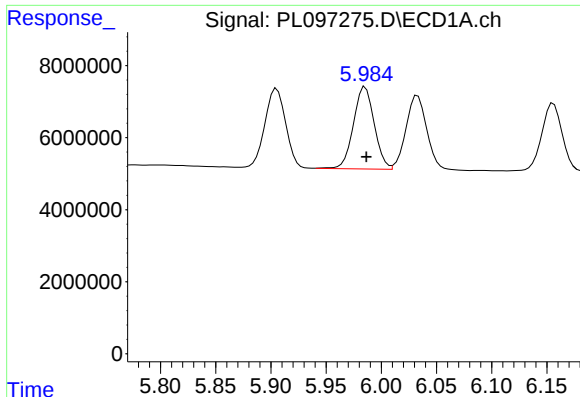
R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 28749631
Conc: 5.12 ng/ml

Time Response_ Signal: PL097275.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 47175597
Conc: 5.51 ng/ml m



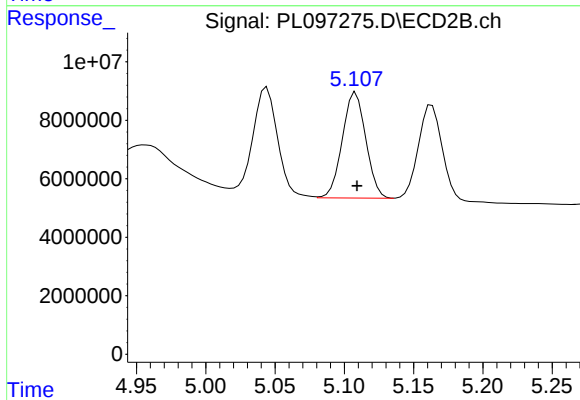
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 29943592
Conc: 5.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

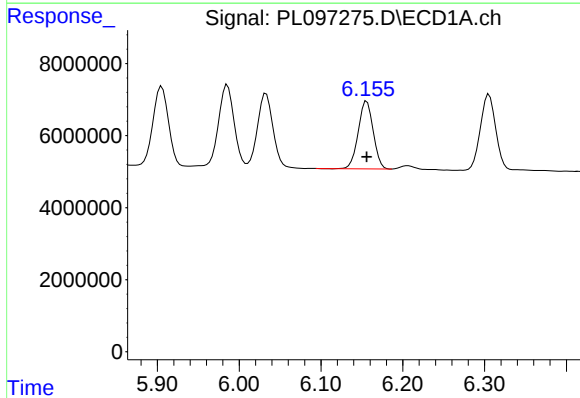
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



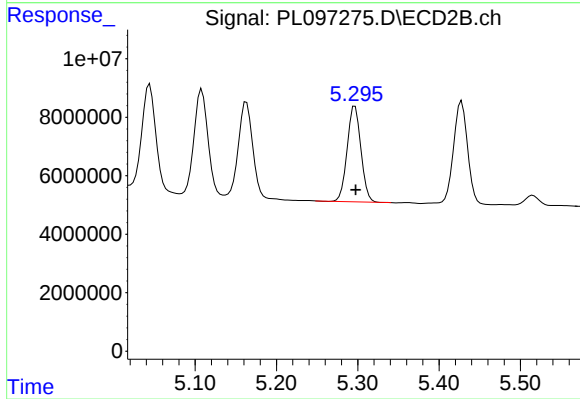
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.002 min
Response: 42753742
Conc: 5.19 ng/ml m



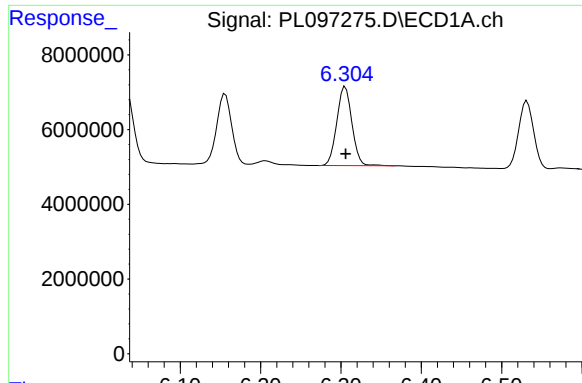
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 23948455
Conc: 5.06 ng/ml



#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 38300213
Conc: 4.97 ng/ml



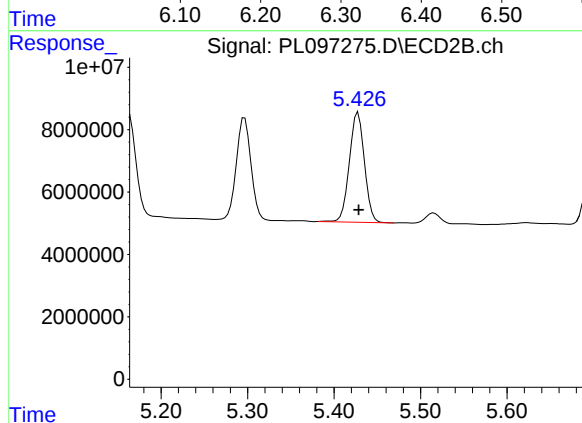
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 27648945
Conc: 5.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

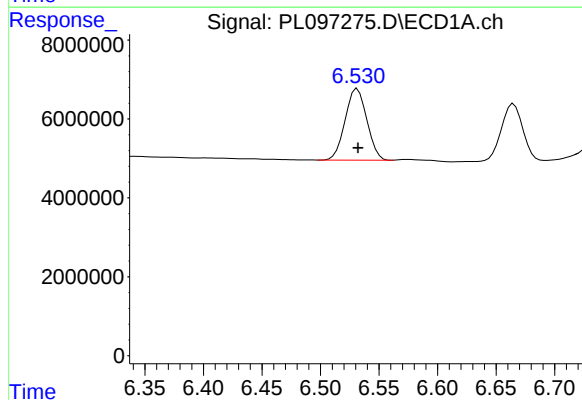
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



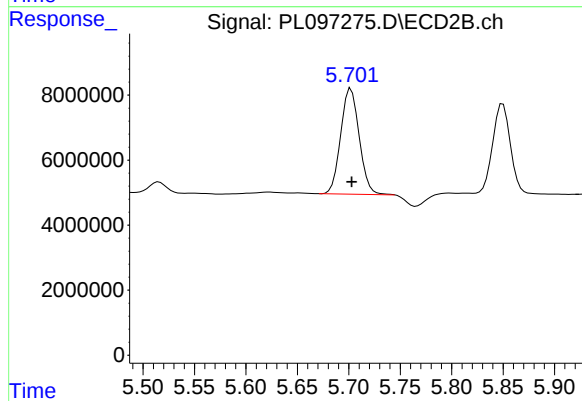
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 42357479
Conc: 5.21 ng/ml



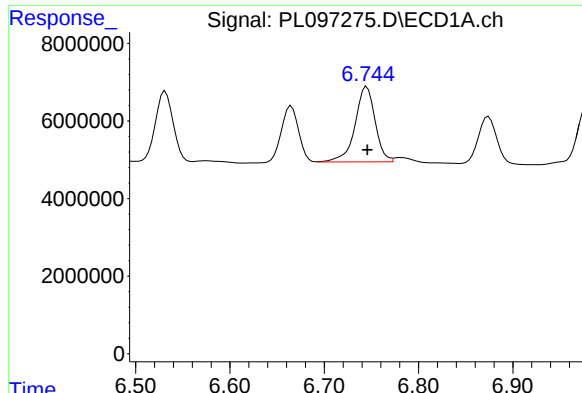
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 23363118
Conc: 5.06 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 40689632
Conc: 5.54 ng/ml



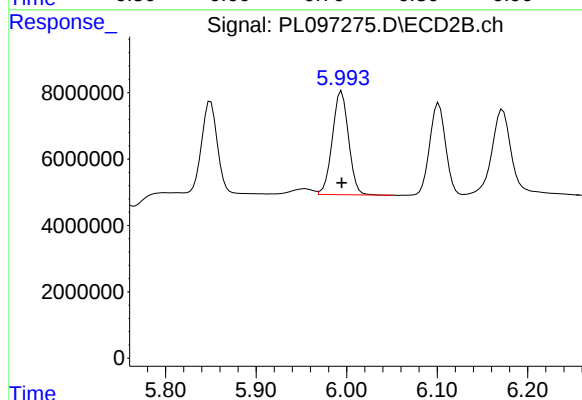
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 28776249
Conc: 6.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

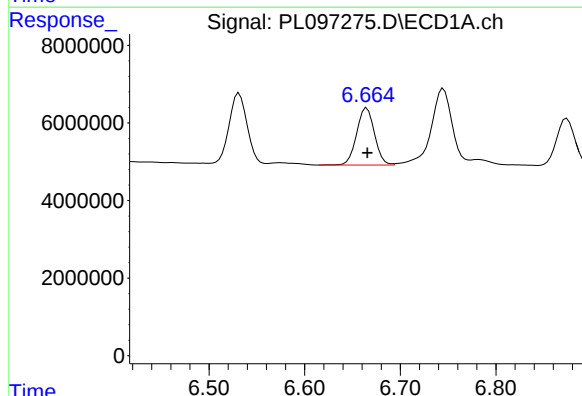
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



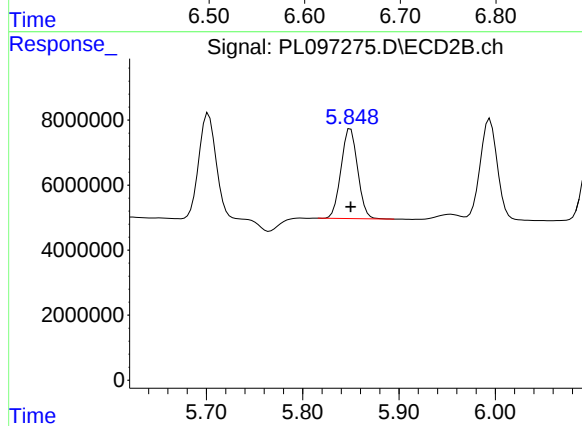
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 38809493
Conc: 5.58 ng/ml



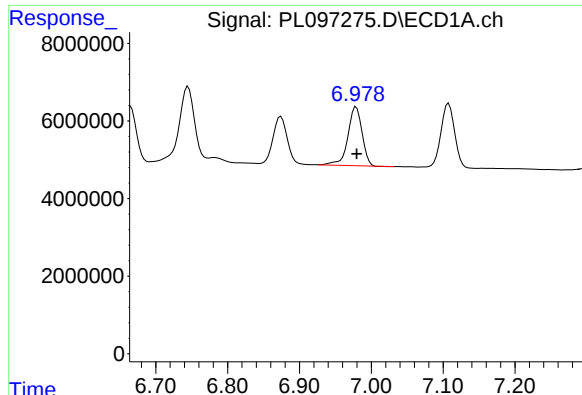
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 19149707
Conc: 5.09 ng/ml



#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 32954369
Conc: 5.18 ng/ml



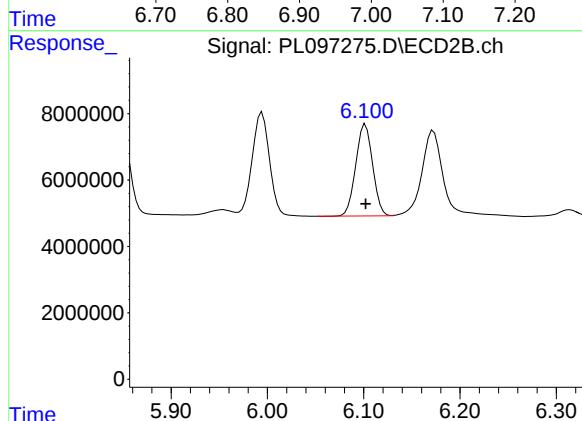
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 20744145
Conc: 4.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



#17 4,4'-DDT

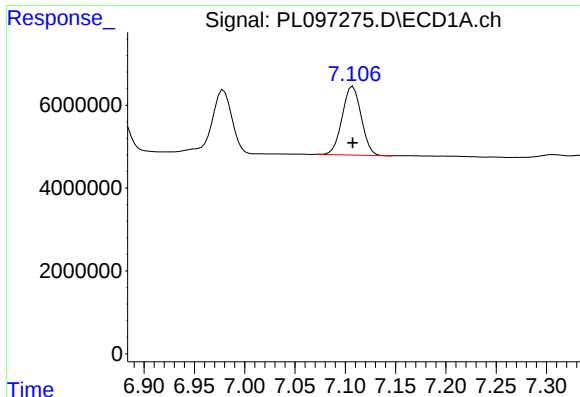
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 33603734
Conc: 4.82 ng/ml

#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 16425107
Conc: 5.37 ng/ml

#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.002 min
Response: 35487549
Conc: 7.22 ng/ml m



#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 21803103
Conc: 5.42 ng/ml

Instrument :

ECD_L

ClientSampleId :

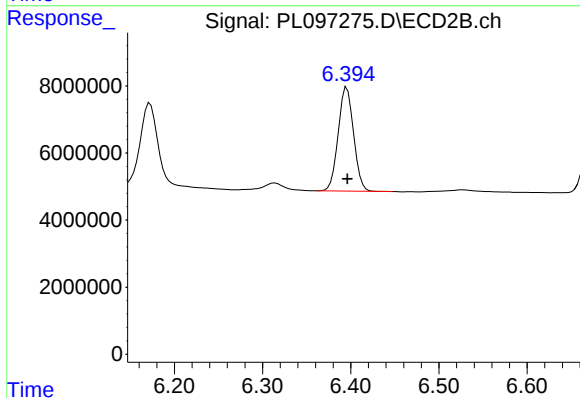
PSTDICC005

Manual Integrations

APPROVED

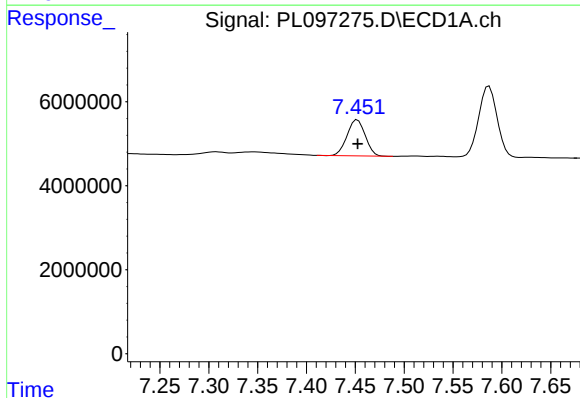
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/23/2025



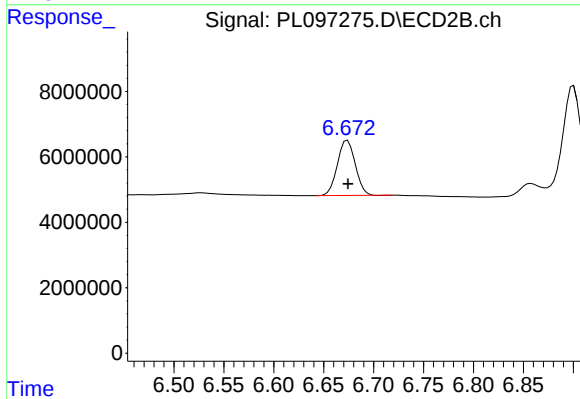
#19 Endosulfan Sulfate

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 37554894
Conc: 5.59 ng/ml



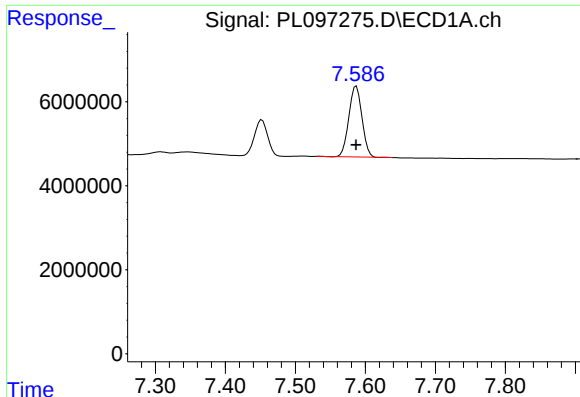
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 11143676
Conc: 5.40 ng/ml



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 21088586
Conc: 5.70 ng/ml



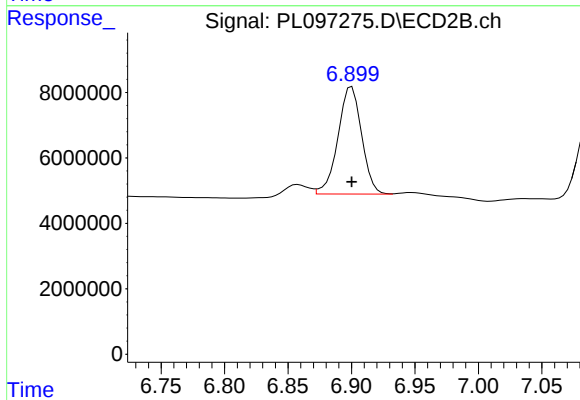
#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: 0.000 min
Response: 21956995
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

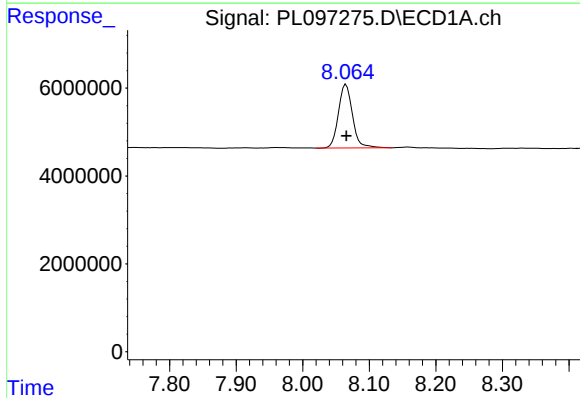
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



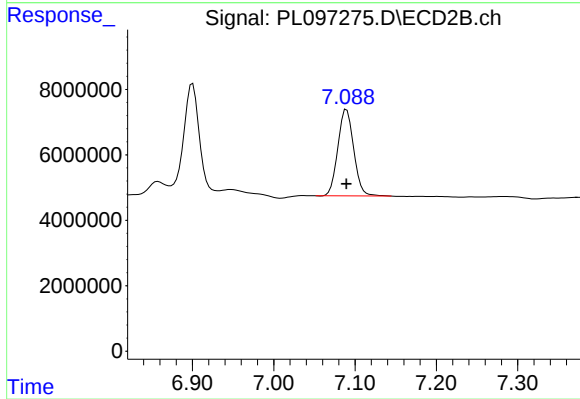
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.001 min
Response: 42459706
Conc: 5.74 ng/ml m



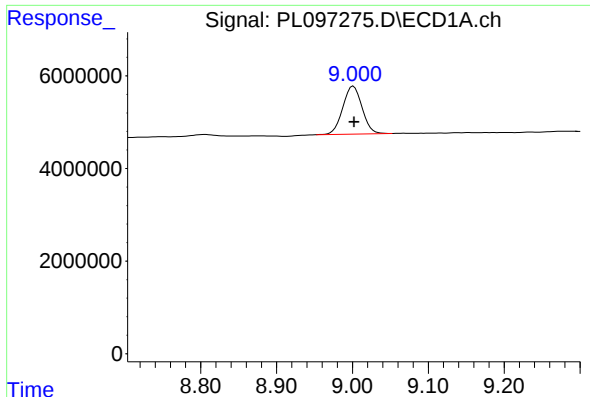
#22 Mirex

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 21205020
Conc: 6.23 ng/ml



#22 Mirex

R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 35794871
Conc: 6.24 ng/ml



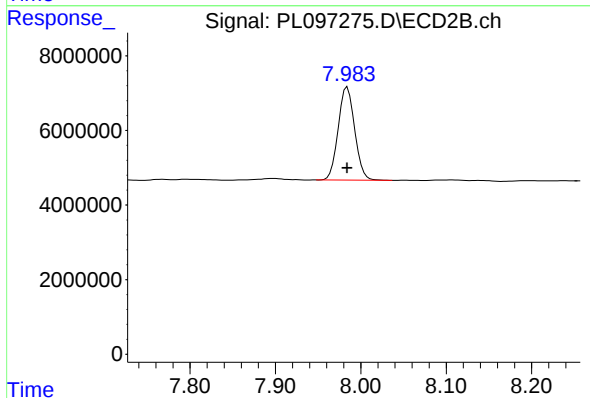
#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 18285769
Conc: 5.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 33532264
Conc: 6.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 18:41
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:25:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:24:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.823	181.2E6	350.3E6	50.000	50.000
28)	SA Decachlor...	9.002	7.984	130.8E6	233.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.680	3.832	103.4E6	126.1E6	500.000	500.000
24)	Chlordane-2	5.204	4.412	108.0E6	142.2E6	500.000	500.000
25)	Chlordane-3	5.907	5.044	406.9E6	438.8E6	500.000	500.000
26)	Chlordane-4	5.991	5.108	496.0E6	383.2E6	500.000	500.000
27)	Chlordane-5	6.828	6.002	81439283	146.3E6	500.000	500.000

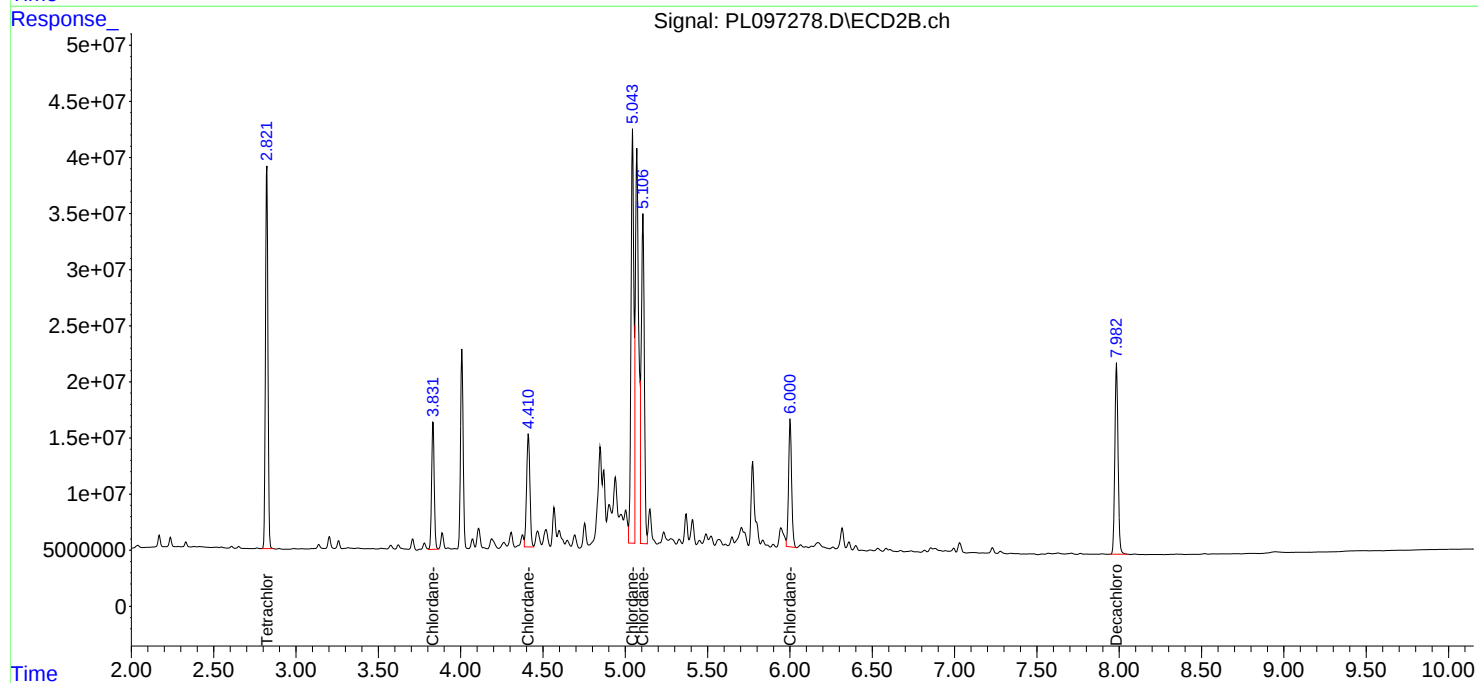
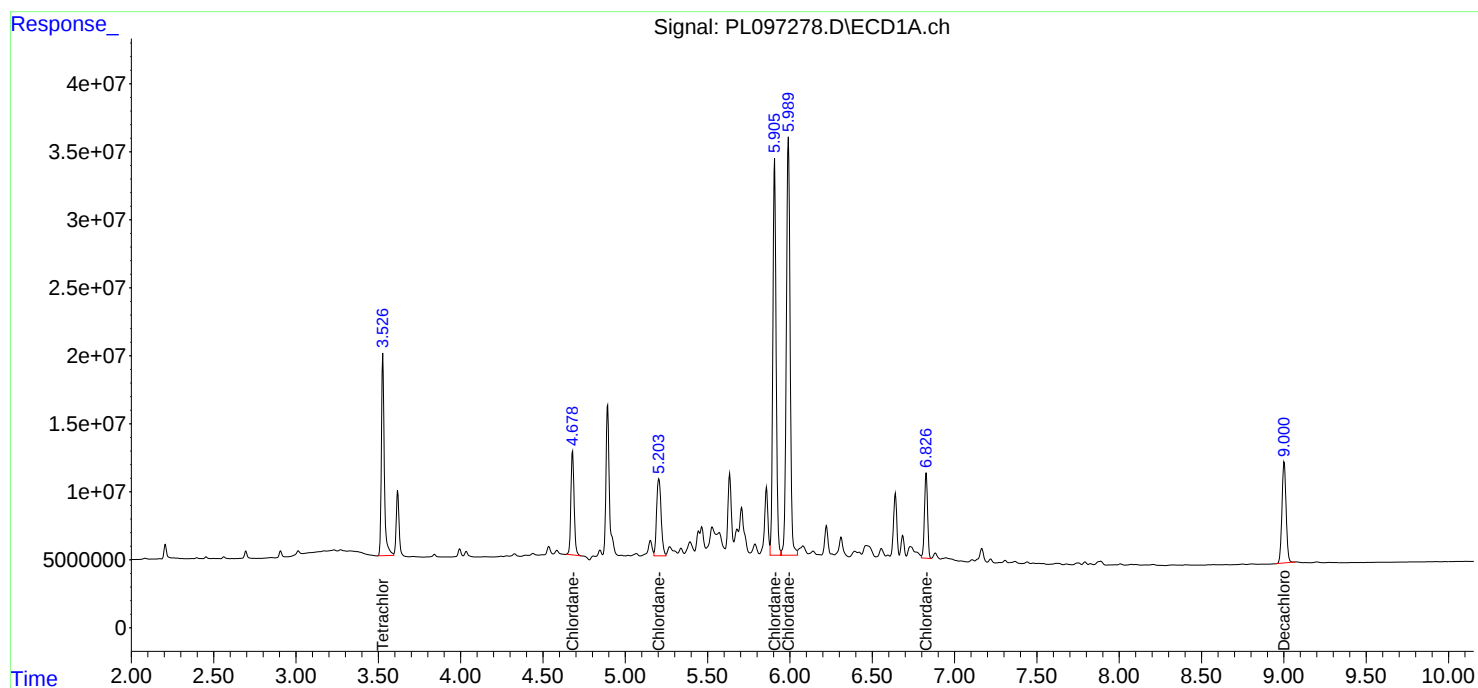
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

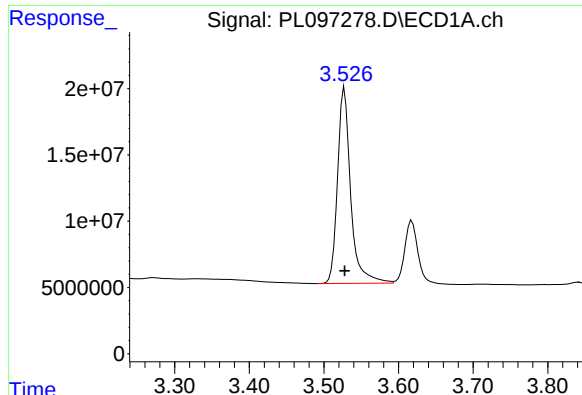
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 18:41
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:25:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:24:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

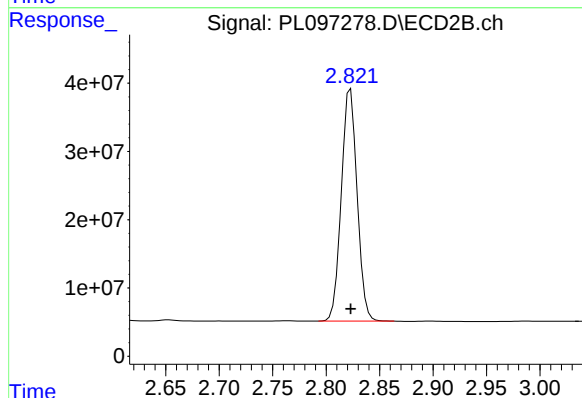




#1 Tetrachloro-m-xylene

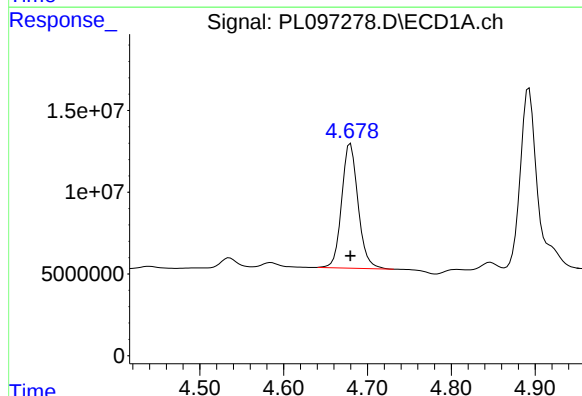
R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 181210972
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



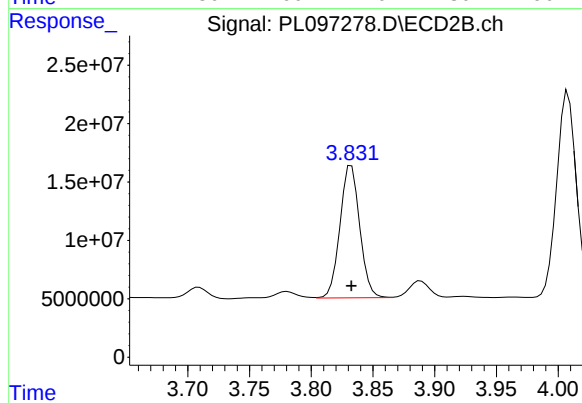
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 350295281
Conc: 50.00 ng/ml



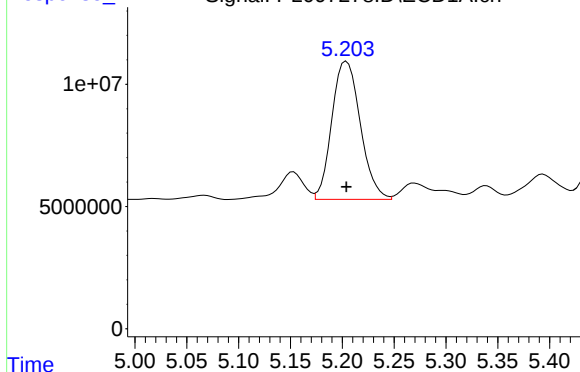
#23 Chlordane-1

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 103425253
Conc: 500.00 ng/ml



#23 Chlordane-1

R.T.: 3.832 min
Delta R.T.: 0.000 min
Response: 126078711
Conc: 500.00 ng/ml



R.T.: 5.204 min
Delta R.T.: 0.000 min
Response: 108047949
Conc: 500.00 ng/ml

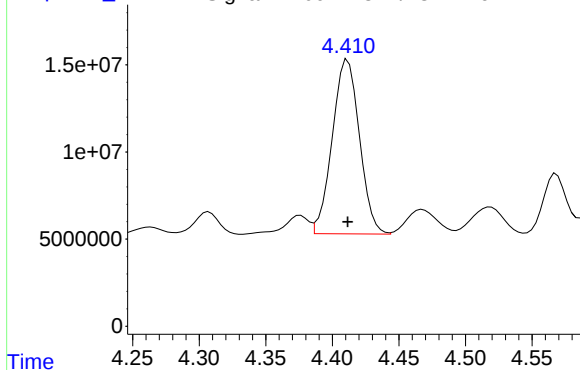
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL097278.D\ECD2B.ch

#24 Chlordane-2



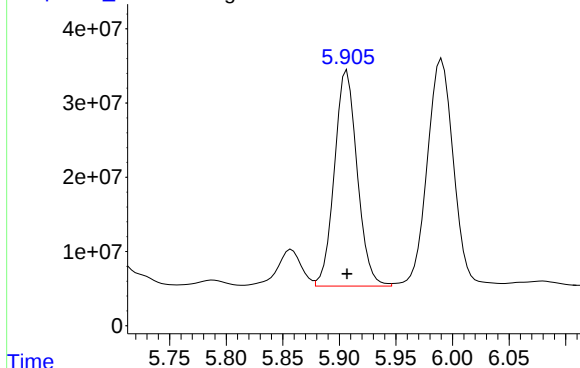
R.T.: 4.412 min
Delta R.T.: 0.000 min
Response: 142152665
Conc: 500.00 ng/ml

Time

Response_

Signal: PL097278.D\ECD1A.ch

#25 Chlordane-3



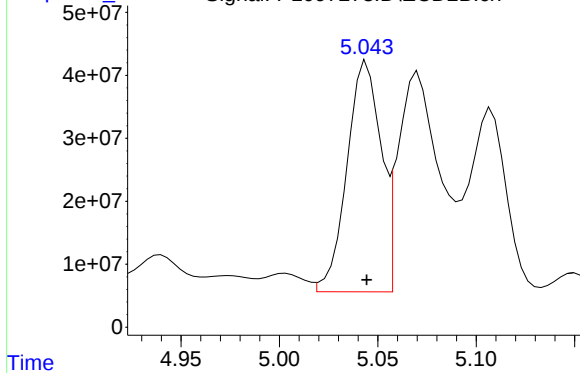
R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 406877107
Conc: 500.00 ng/ml

Time

Response_

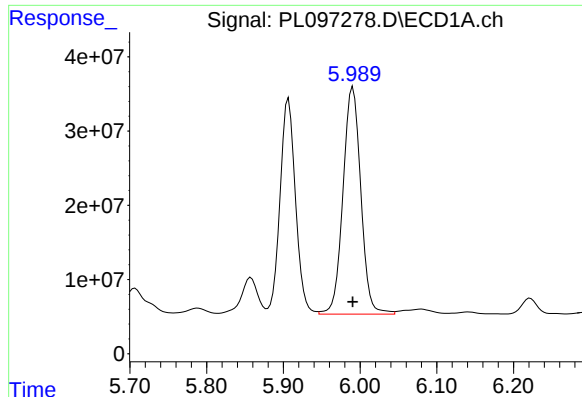
Signal: PL097278.D\ECD2B.ch

#25 Chlordane-3



R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 438817615
Conc: 500.00 ng/ml

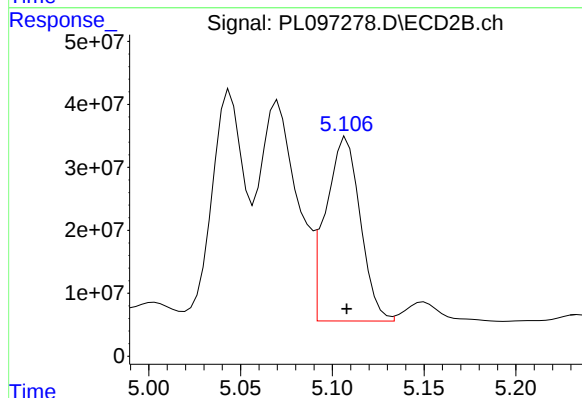
Time



#26 Chlordane-4

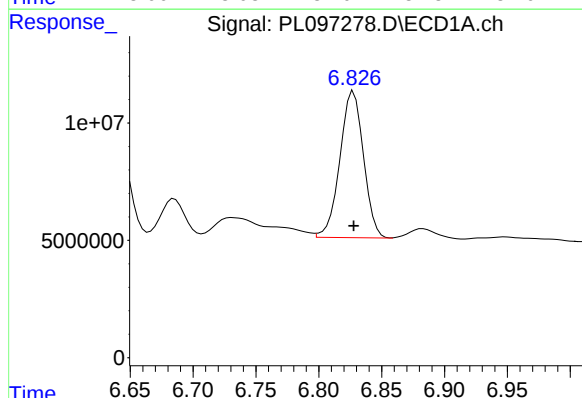
R.T.: 5.991 min
Delta R.T.: 0.000 min
Response: 496022448
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



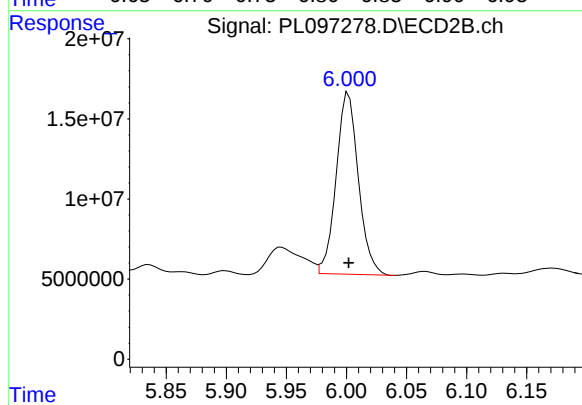
#26 Chlordane-4

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 383235793
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 6.828 min
Delta R.T.: 0.000 min
Response: 81439283
Conc: 500.00 ng/ml



#27 Chlordane-5

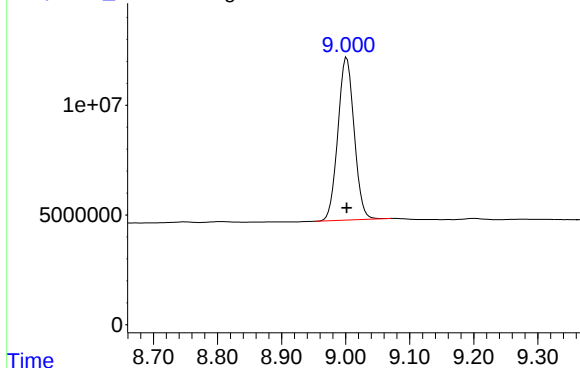
R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 146266920
Conc: 500.00 ng/ml

Response_

Signal: PL097278.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.002 min
Delta R.T.: 0.000 min
Response: 130810747
Conc: 50.00 ng/ml

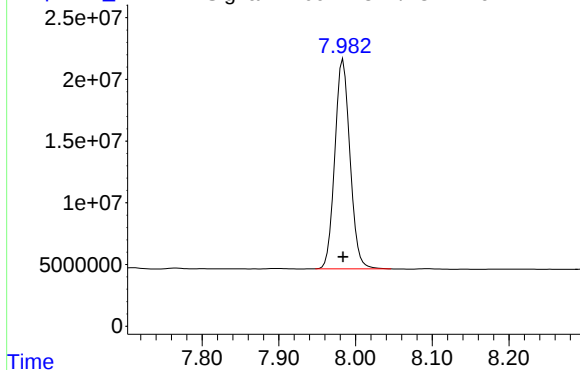
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL097278.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 233255429
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 19:49
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:18:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 06:17:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.824	212.8E6	316.1E6	50.000	50.000
7) SA Decachlor...	9.001	7.985	151.2E6	274.7E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.202	5.066	21037740	21241348	500.000	500.000
3) Toxaphene-2	6.601	5.752	16923557	27459266	500.000	500.000
4) Toxaphene-3	7.014	6.033	70949766	28977953	500.000	500.000
5) Toxaphene-4	7.105	6.667	52895758	88991768	500.000	500.000
6) Toxaphene-5	7.883	7.107	37083116	54569782	500.000	500.000

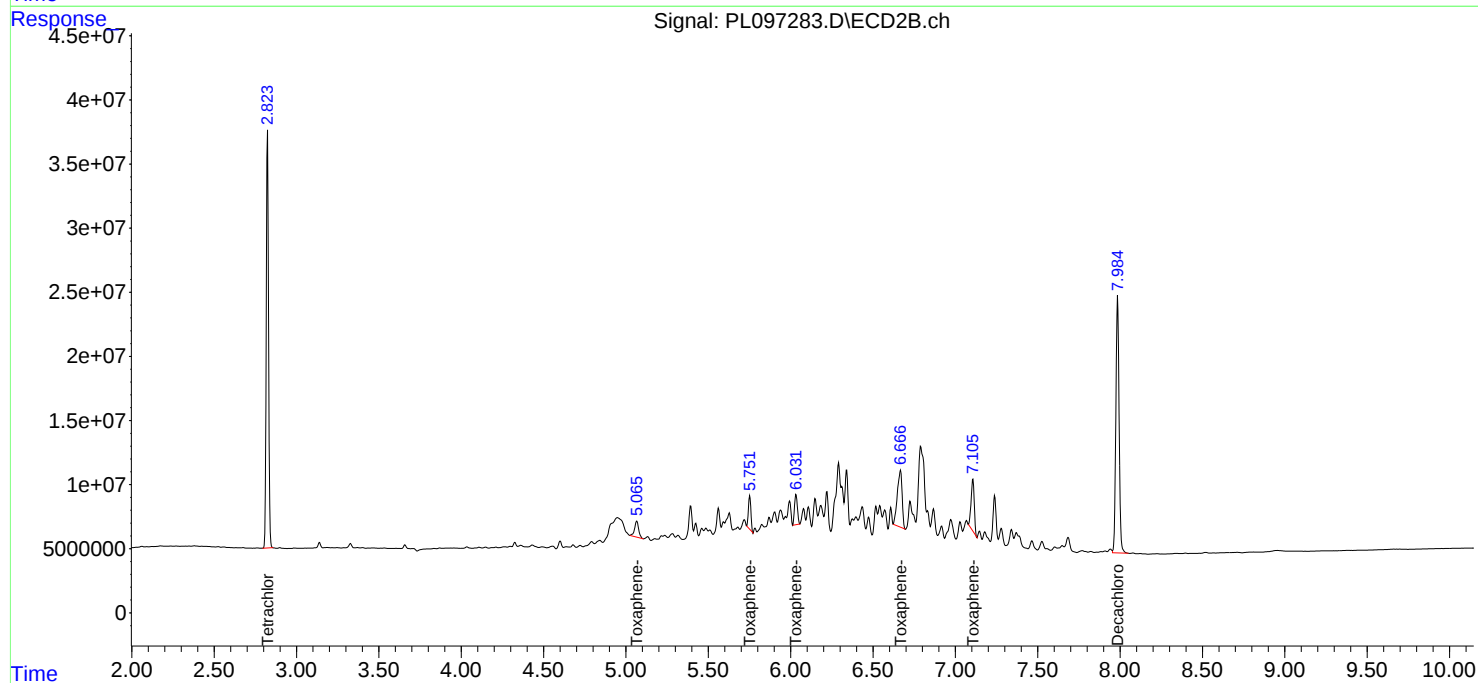
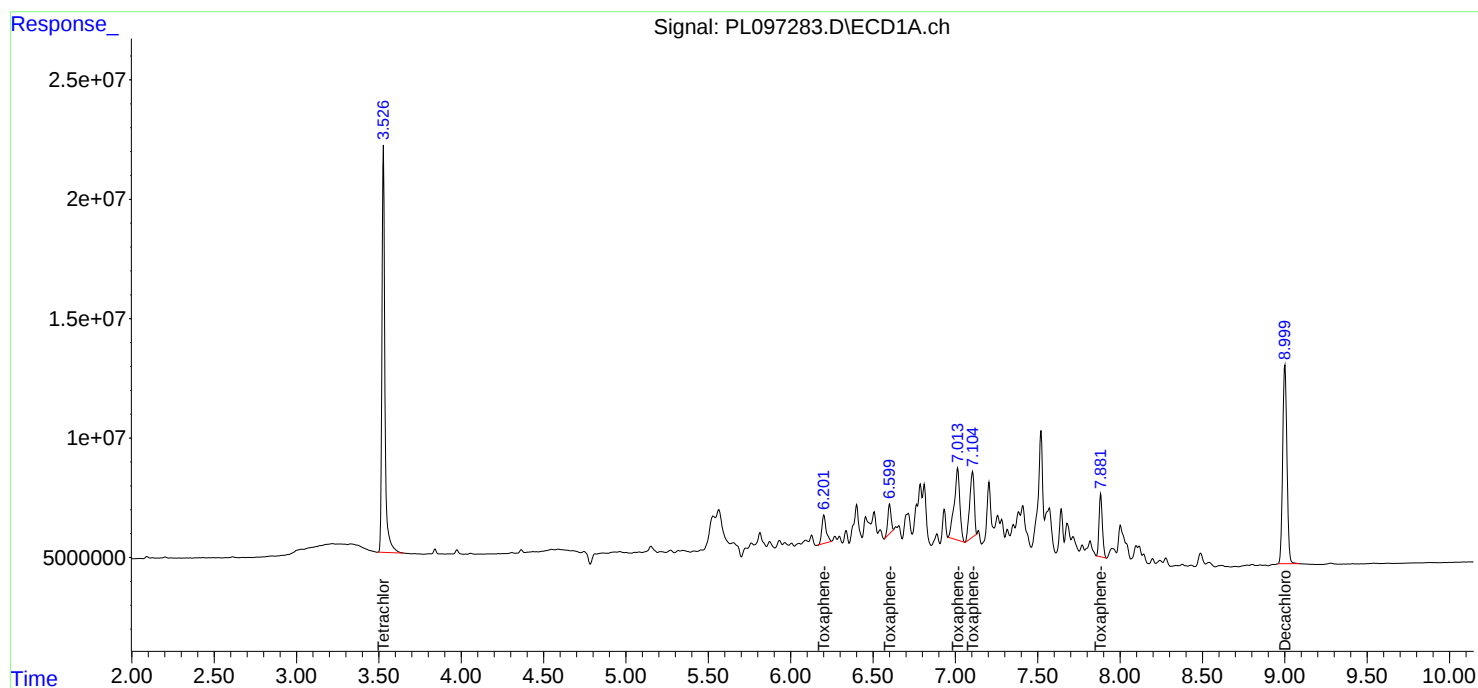
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

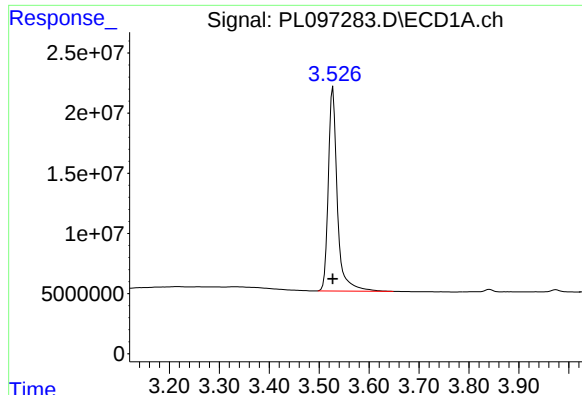
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 19:49
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:18:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 06:17:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

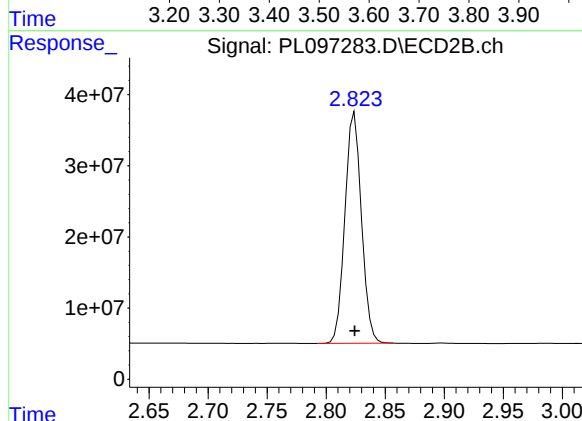




#1 Tetrachloro-m-xylene

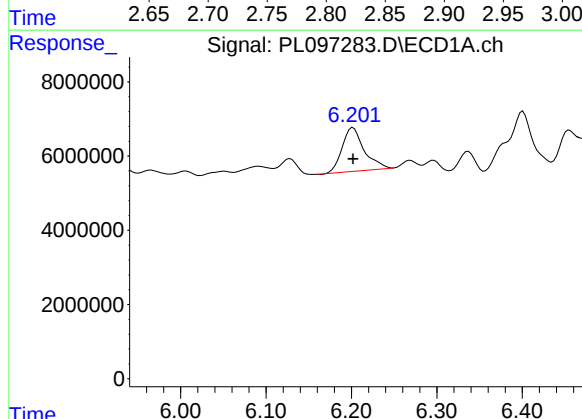
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 212791269
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



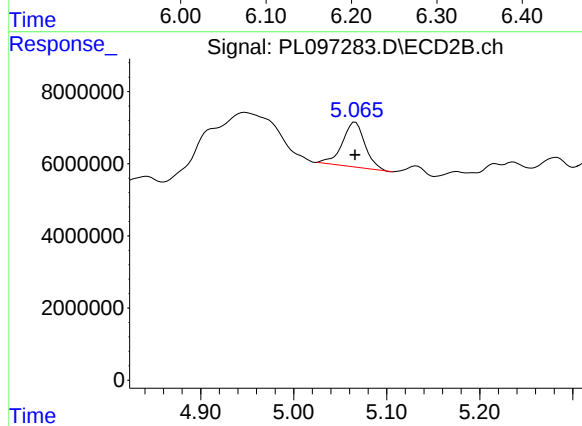
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 316068252
Conc: 50.00 ng/ml



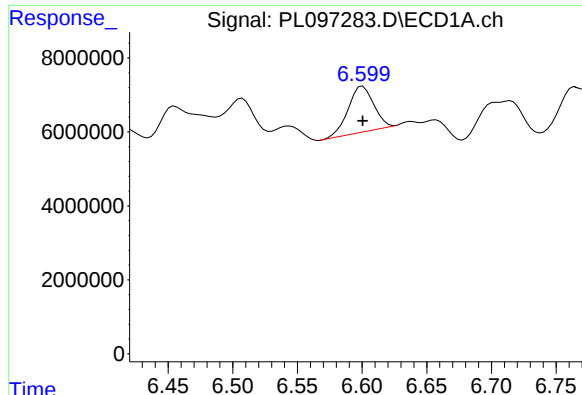
#2 Toxaphene-1

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 21037740
Conc: 500.00 ng/ml



#2 Toxaphene-1

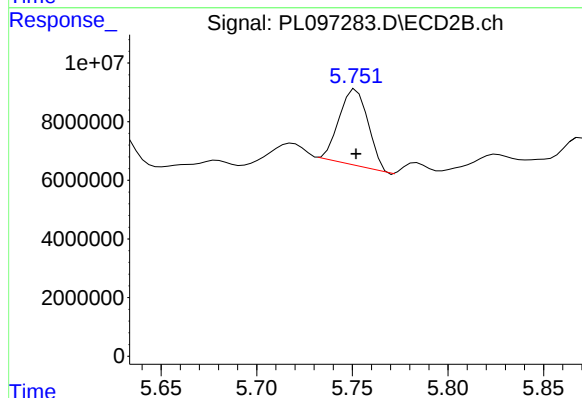
R.T.: 5.066 min
Delta R.T.: 0.000 min
Response: 21241348
Conc: 500.00 ng/ml



#3 Toxaphene-2

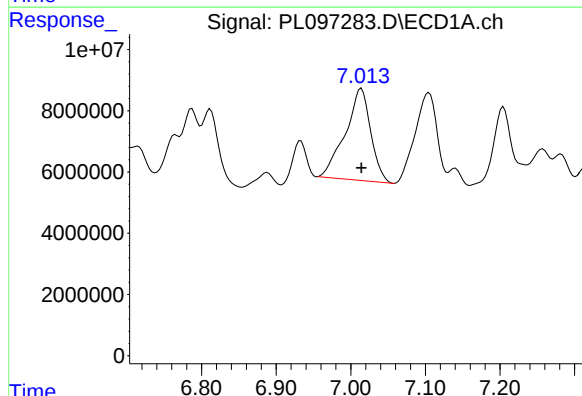
R.T.: 6.601 min
Delta R.T.: 0.000 min
Response: 16923557
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



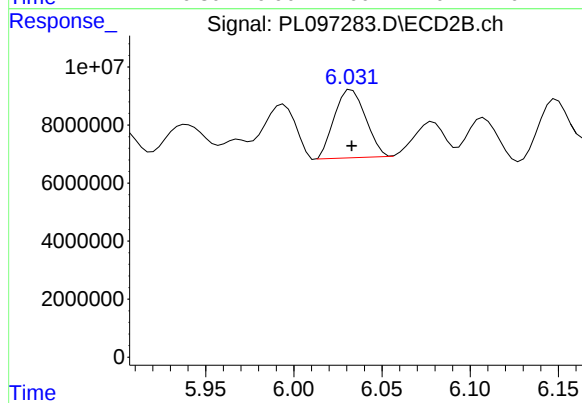
#3 Toxaphene-2

R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 27459266
Conc: 500.00 ng/ml



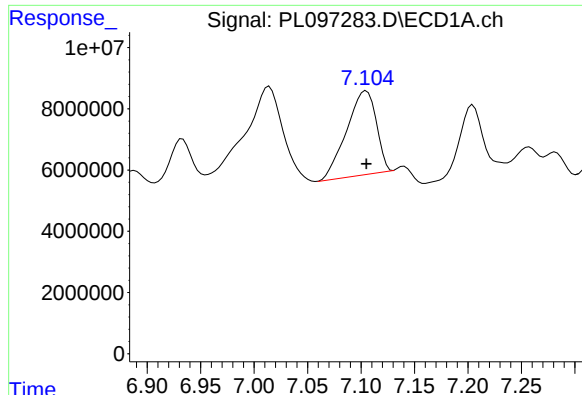
#4 Toxaphene-3

R.T.: 7.014 min
Delta R.T.: 0.000 min
Response: 70949766
Conc: 500.00 ng/ml



#4 Toxaphene-3

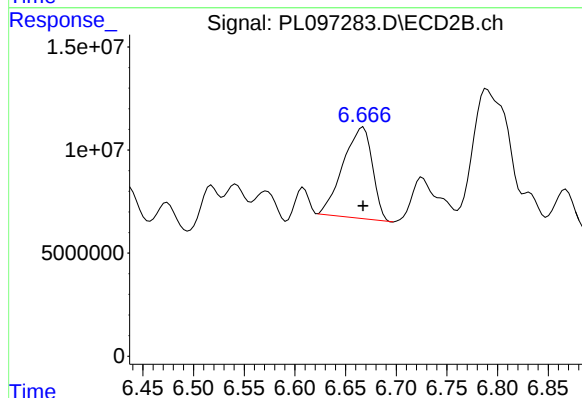
R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 28977953
Conc: 500.00 ng/ml



#5 Toxaphene-4

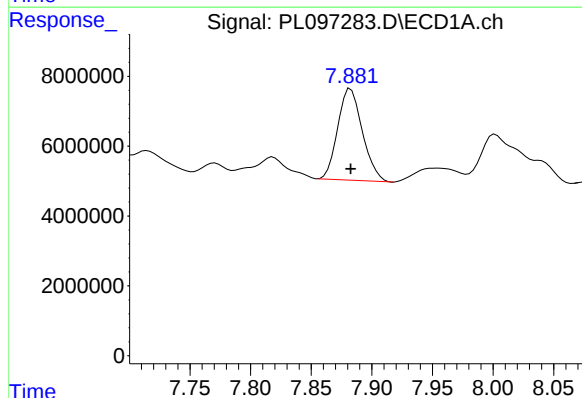
R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 52895758
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



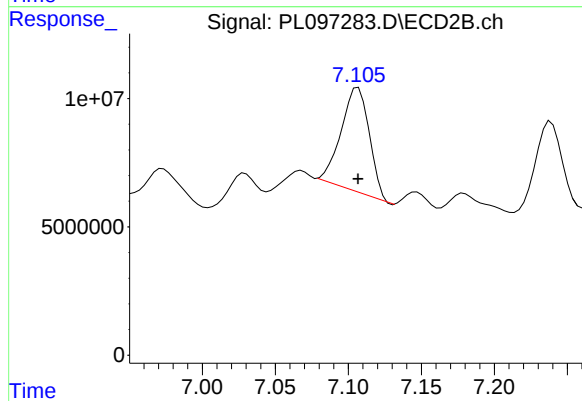
#5 Toxaphene-4

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 88991768
Conc: 500.00 ng/ml



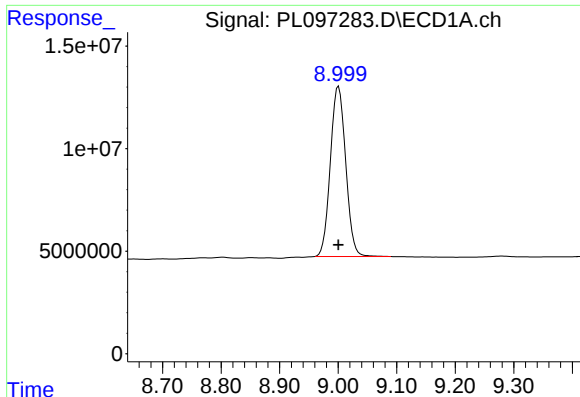
#6 Toxaphene-5

R.T.: 7.883 min
Delta R.T.: 0.000 min
Response: 37083116
Conc: 500.00 ng/ml



#6 Toxaphene-5

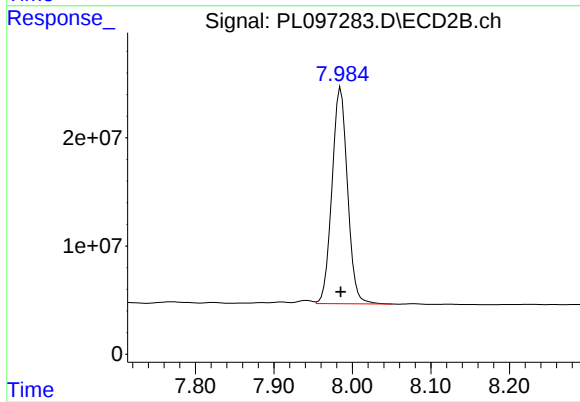
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 54569782
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 151168782
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: 0.000 min
Response: 274719272
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097286.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 08:39
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL092025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:03:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.820	233.1E6	328.4E6	51.482	49.938
28)	SA Decachlor...	9.006	7.985	165.2E6	255.3E6	50.482	44.851
Target Compounds							
2)	A alpha-BHC	3.974	3.325	368.4E6	500.7E6	52.723	50.281
3)	MA gamma-BHC...	4.302	3.657	344.6E6	461.1E6	52.110	49.498
4)	MA Heptachlor	4.893	4.005	349.0E6	445.3E6	52.326	47.851
5)	MB Aldrin	5.233	4.288	325.9E6	418.1E6	51.460	48.168
6)	B beta-BHC	4.490	3.954	136.9E6	187.9E6	50.230	46.246
7)	B delta-BHC	4.734	4.186	321.2E6	449.4E6	52.930m	48.893
8)	B Heptachlo...	5.651	4.789	306.1E6	376.2E6	53.263m	47.430m
9)	A Endosulfan I	6.034	5.161	264.5E6	345.6E6	51.051m	44.982
10)	B gamma-Chl...	5.905	5.042	288.6E6	406.9E6	51.050m	46.594
11)	B alpha-Chl...	5.986	5.107	285.1E6	401.4E6	50.192m	48.364
12)	B 4,4'-DDE	6.156	5.294	248.9E6	367.5E6	52.230m	47.821m
13)	MA Dieldrin	6.307	5.424	282.4E6	392.3E6	51.517	47.972m
14)	MA Endrin	6.532	5.701	241.9E6	351.7E6	52.445m	46.833
15)	B Endosulfa...	6.745	5.993	240.2E6	329.4E6	48.828m	46.333
16)	A 4,4'-DDD	6.666	5.848	191.1E6	297.9E6	50.687m	46.193
17)	MA 4,4'-DDT	6.982	6.101	229.3E6	328.0E6	54.236	47.389
18)	B Endrin al...	6.876	6.171	175.3E6	229.7E6	56.862	43.033
19)	B Endosulfa...	7.110	6.395	209.3E6	310.2E6	51.264	45.293
20)	A Methoxychlor	7.455	6.673	103.8E6	168.0E6	49.793	44.559
21)	B Endrin ke...	7.590	6.898	220.0E6	395.4E6	51.828	52.514m
22)	Mirex	8.068	7.089	174.4E6	269.2E6	49.109	45.026

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 08:39
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL092025

Manual Integrations

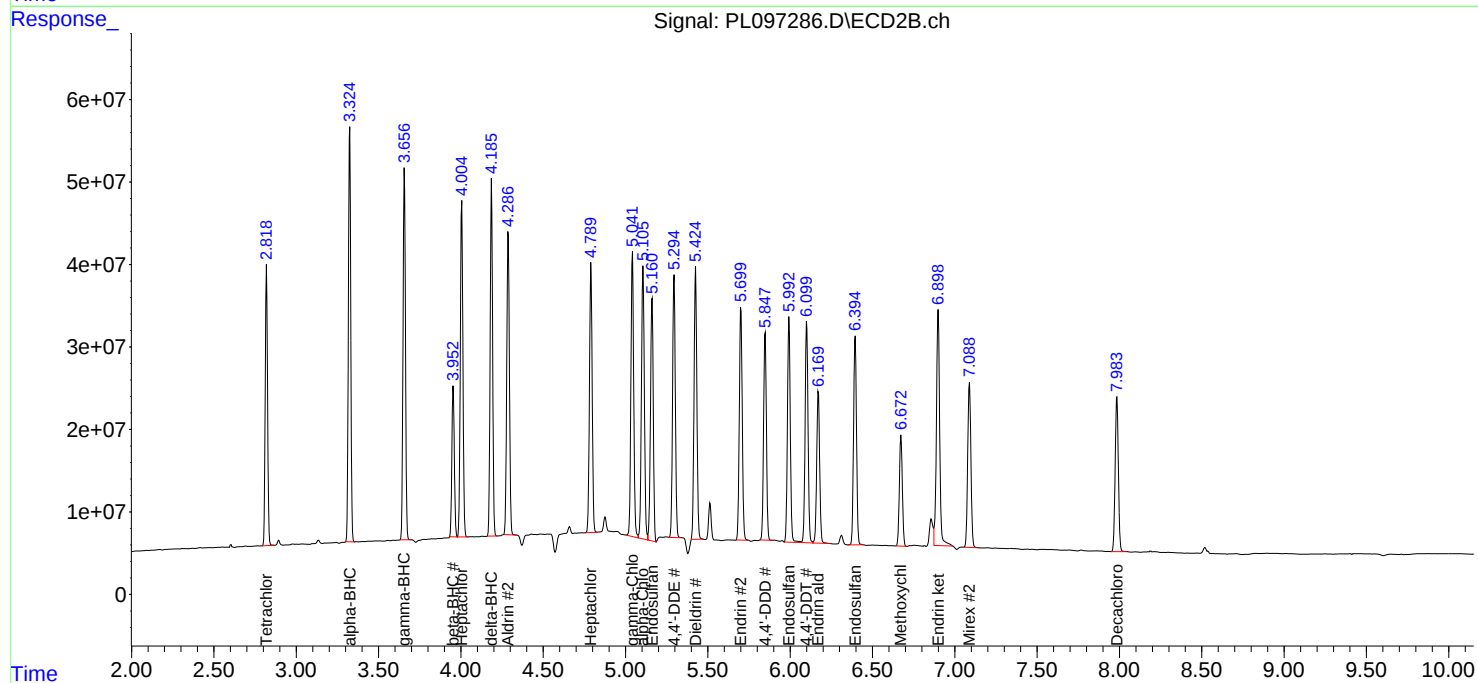
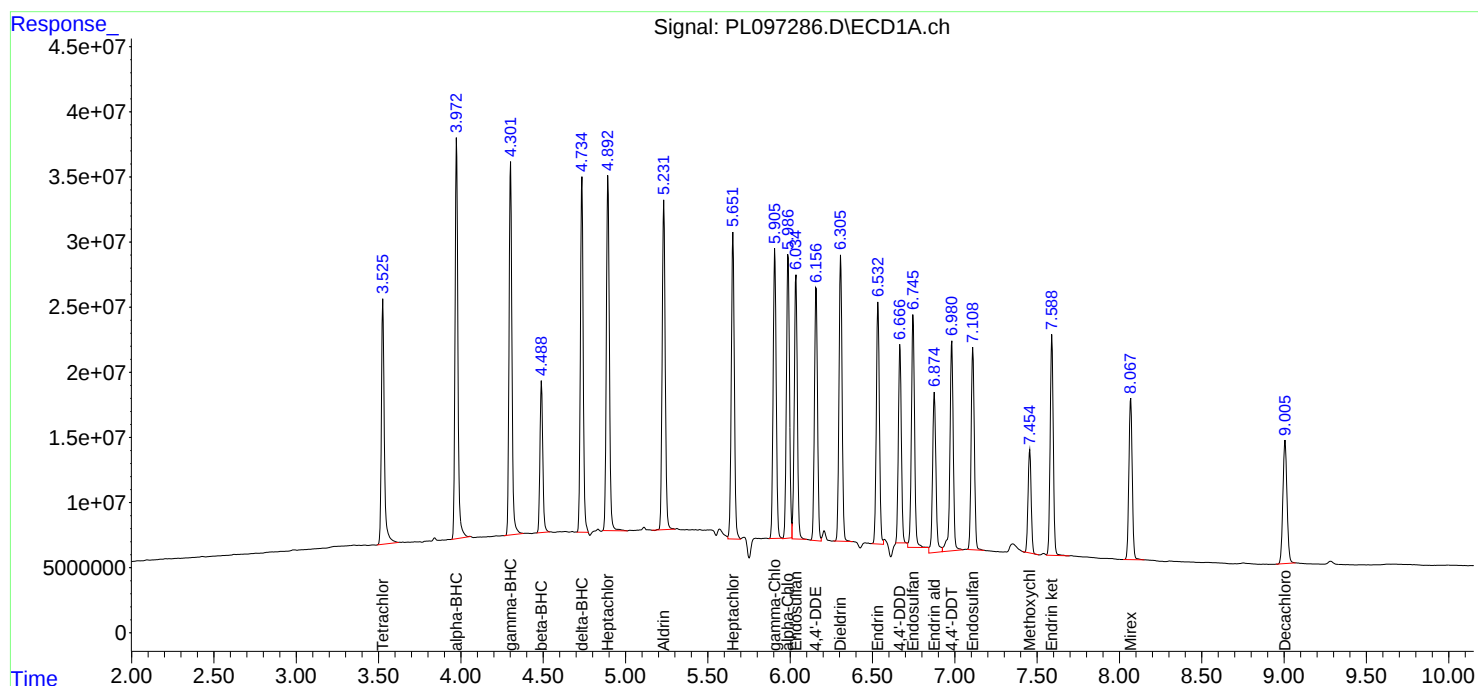
APPROVED

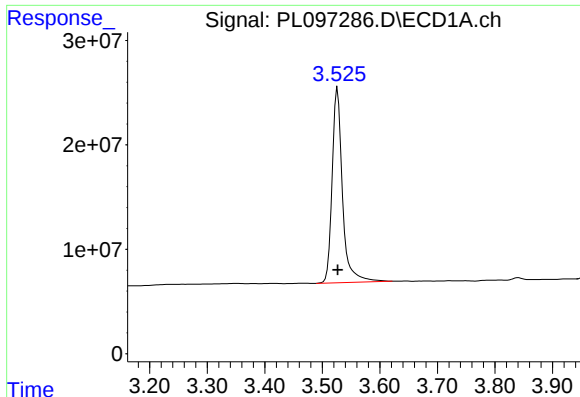
Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:03:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 233069615
Conc: 51.48 ng/ml

Instrument :

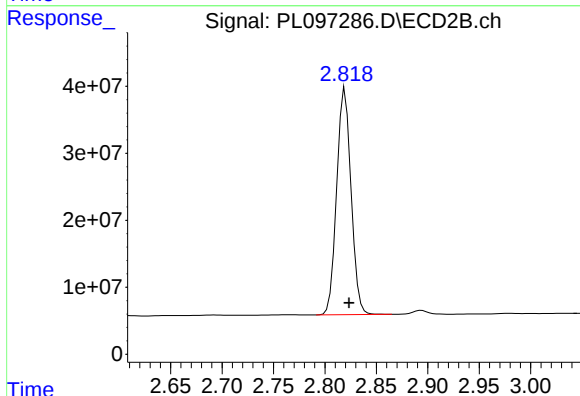
ECD_L

ClientSampleId :

ICVPL092025

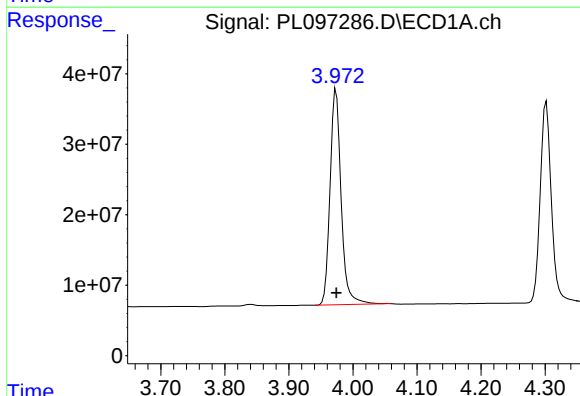
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



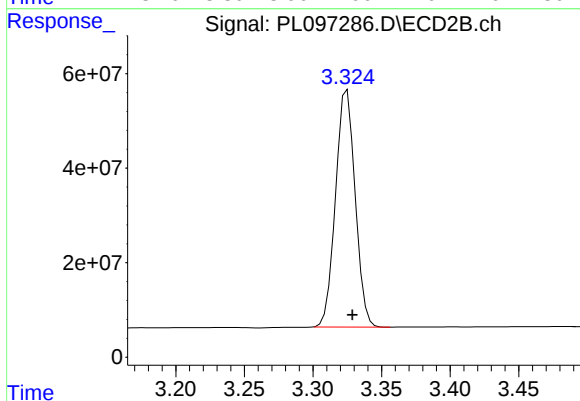
#1 Tetrachloro-m-xylene

R.T.: 2.820 min
Delta R.T.: -0.004 min
Response: 328370429
Conc: 49.94 ng/ml



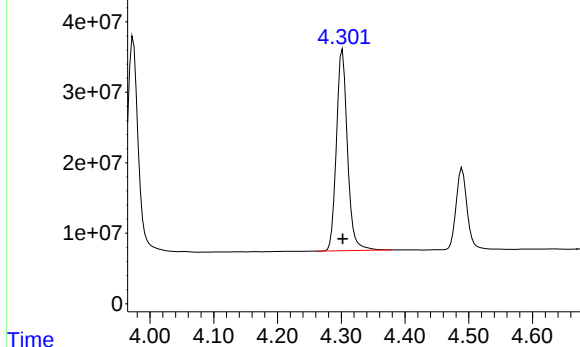
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 368400248
Conc: 52.72 ng/ml



#2 alpha-BHC

R.T.: 3.325 min
Delta R.T.: -0.004 min
Response: 500673096
Conc: 50.28 ng/ml

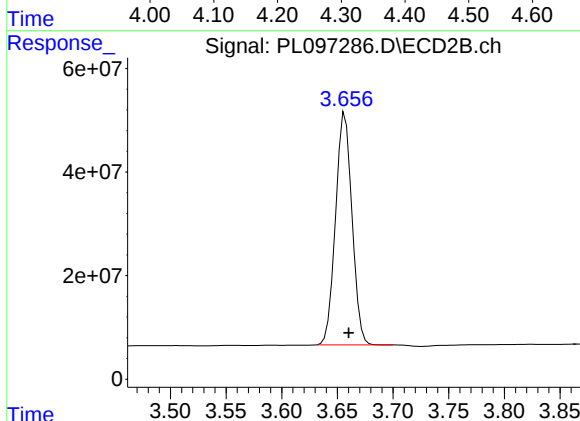


R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 344610485
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

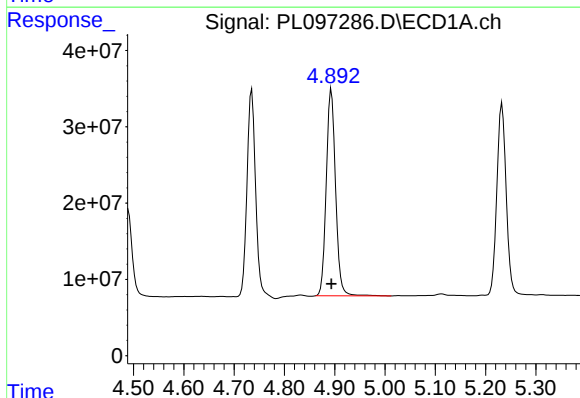
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



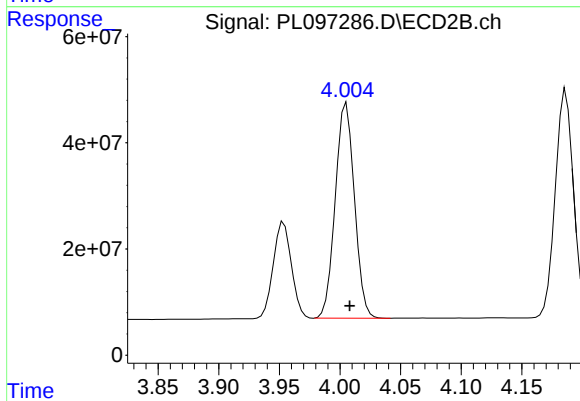
#3 gamma-BHC (Lindane)

R.T.: 3.657 min
Delta R.T.: -0.003 min
Response: 461058610
Conc: 49.50 ng/ml



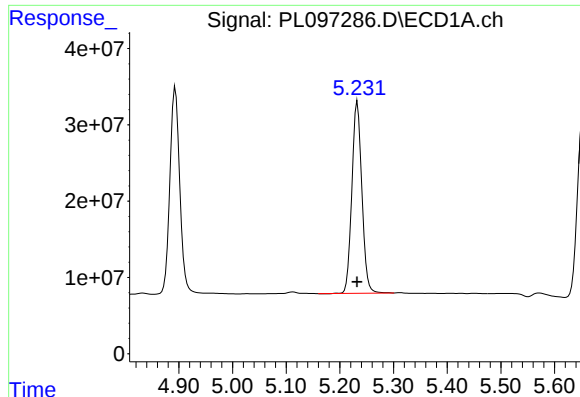
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 349022489
Conc: 52.33 ng/ml



#4 Heptachlor

R.T.: 4.005 min
Delta R.T.: -0.003 min
Response: 445258366
Conc: 47.85 ng/ml



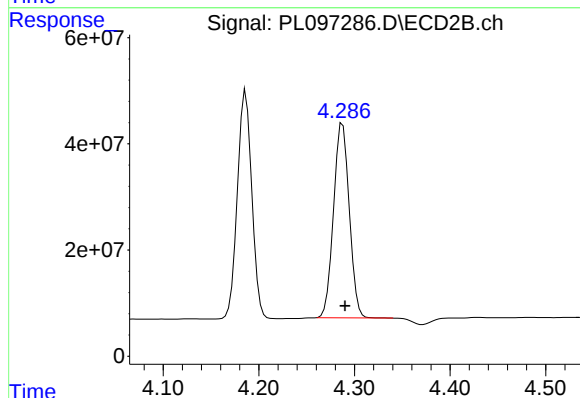
#5 Aldrin

R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 325939008
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

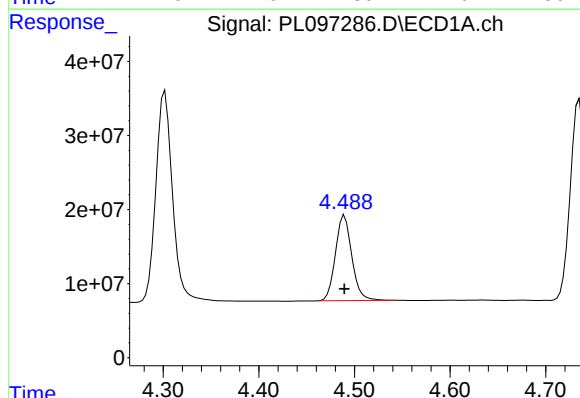
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



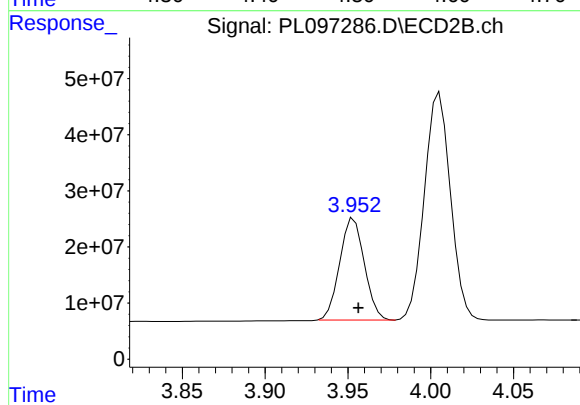
#5 Aldrin

R.T.: 4.288 min
Delta R.T.: -0.003 min
Response: 418068301
Conc: 48.17 ng/ml



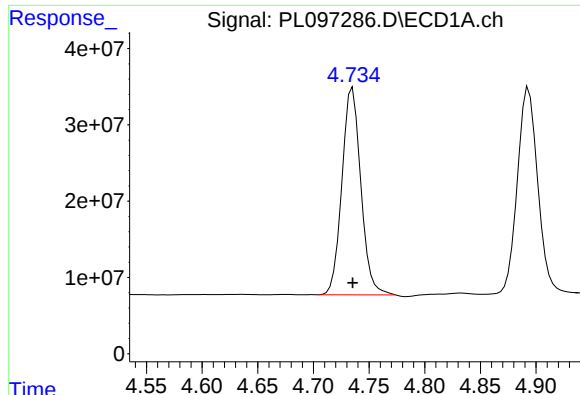
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 136936933
Conc: 50.23 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.003 min
Response: 187852757
Conc: 46.25 ng/ml



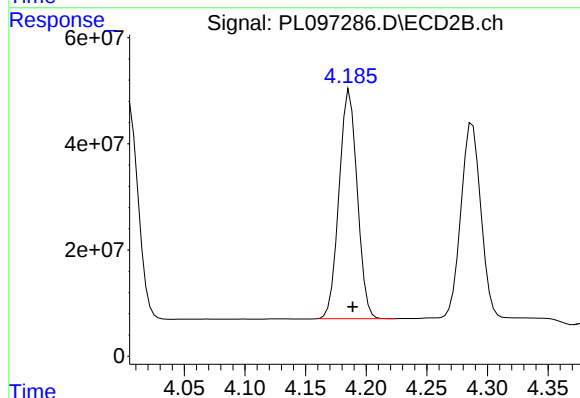
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.001 min
Response: 321197971
Conc: 52.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

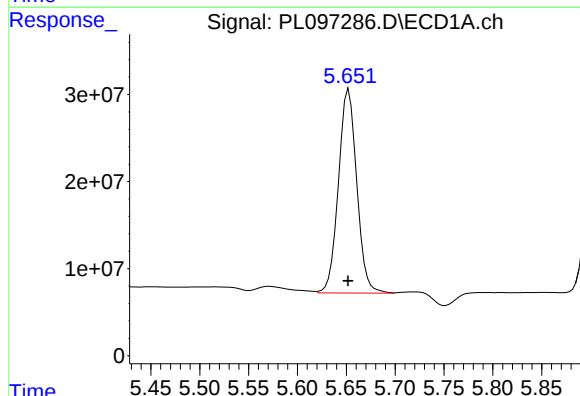
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



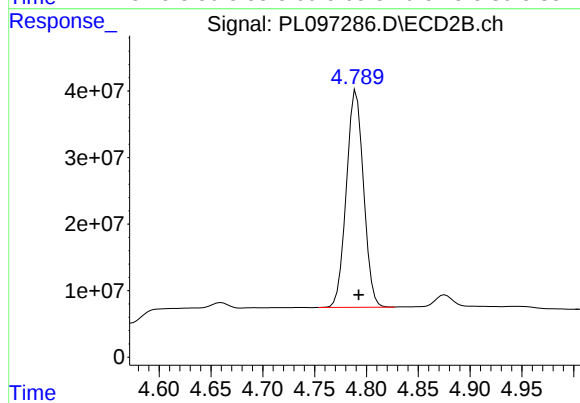
#7 delta-BHC

R.T.: 4.186 min
Delta R.T.: -0.003 min
Response: 449437196
Conc: 48.89 ng/ml



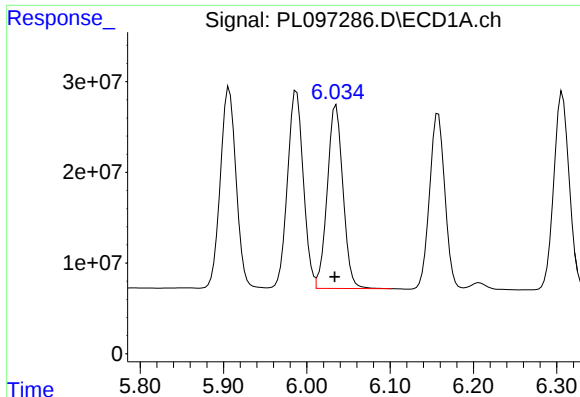
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 306099921
Conc: 53.26 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: -0.004 min
Response: 376194470
Conc: 47.43 ng/ml m



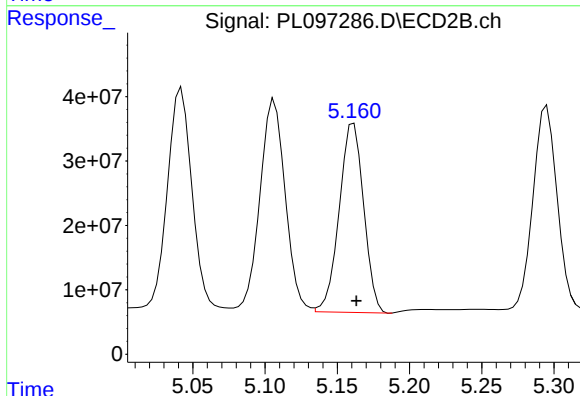
#9 Endosulfan I

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 264512598
Conc: 51.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

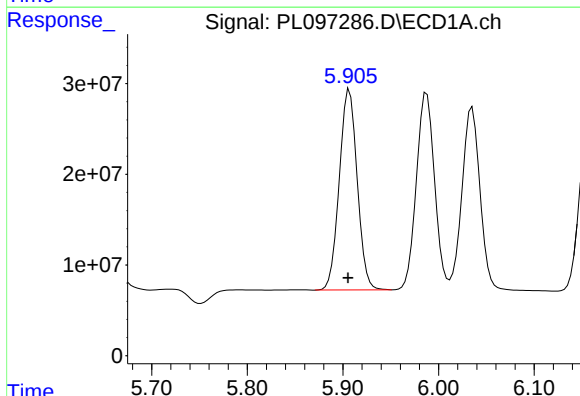
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



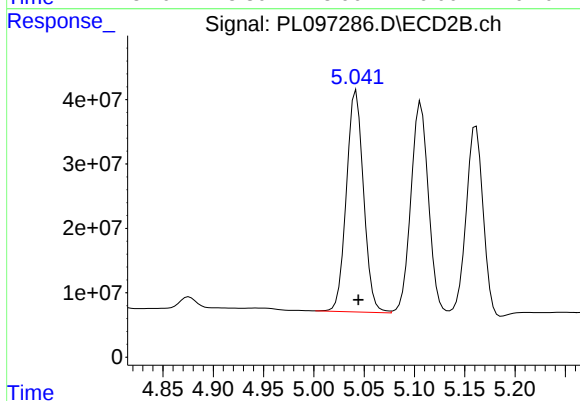
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.002 min
Response: 345621332
Conc: 44.98 ng/ml



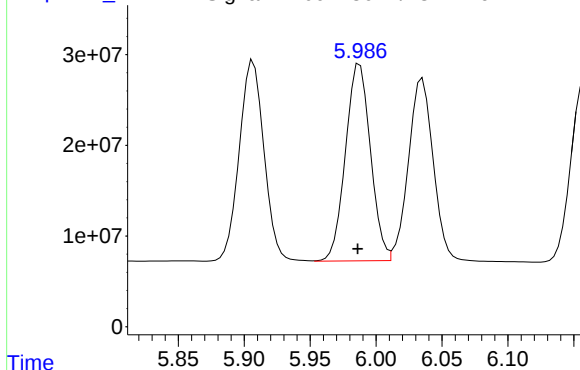
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 288611983
Conc: 51.05 ng/ml m



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 406946627
Conc: 46.59 ng/ml



R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 285087245
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

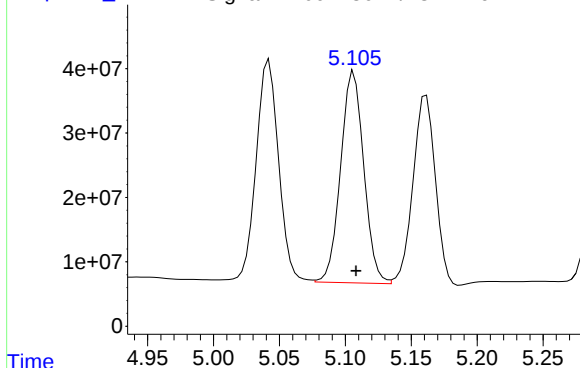
Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025

Time

Response_

Signal: PL097286.D\ECD2B.ch

#11 alpha-Chlordane



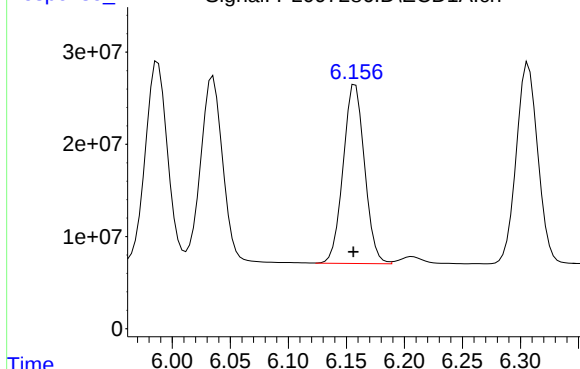
R.T.: 5.107 min
Delta R.T.: -0.002 min
Response: 401447710
Conc: 48.36 ng/ml

Time

Response_

Signal: PL097286.D\ECD1A.ch

#12 4,4'-DDE



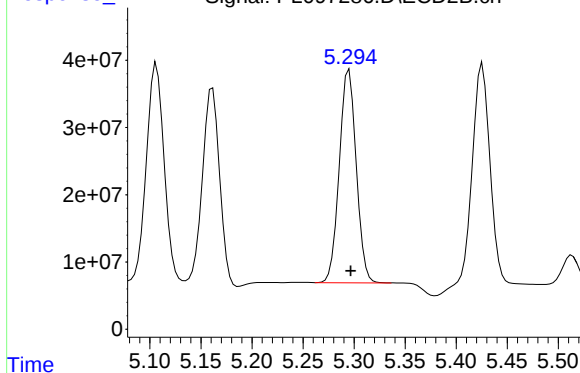
R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 248860485
Conc: 52.23 ng/ml m

Time

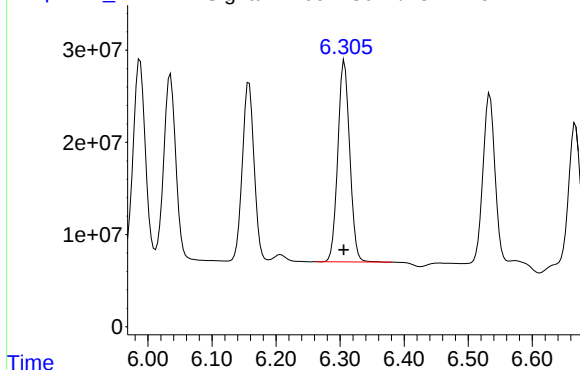
Response_

Signal: PL097286.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 367489316
Conc: 47.82 ng/ml m



R.T.: 6.307 min
Delta R.T.: 0.001 min
Response: 282423493
Conc: 51.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

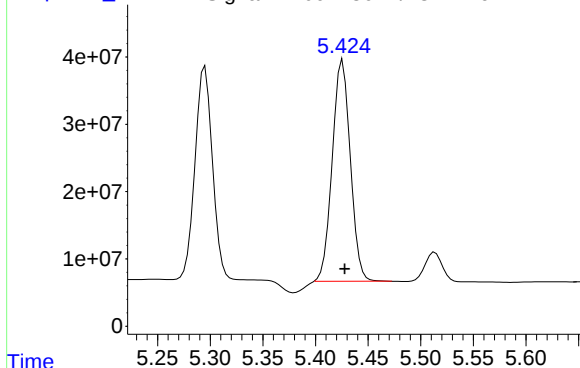
Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025

Time

Response_

Signal: PL097286.D\ECD2B.ch

#13 Dieldrin



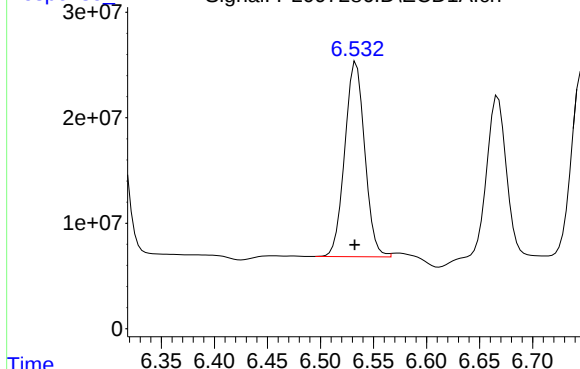
R.T.: 5.424 min
Delta R.T.: -0.003 min
Response: 392259525
Conc: 47.97 ng/ml m

Time

Response

Signal: PL097286.D\ECD1A.ch

#14 Endrin



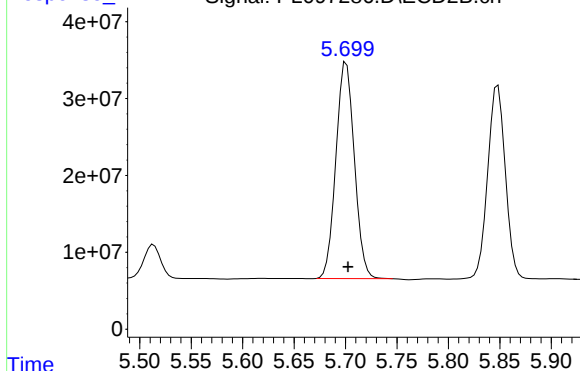
R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 241934847
Conc: 52.44 ng/ml m

Time

Response_

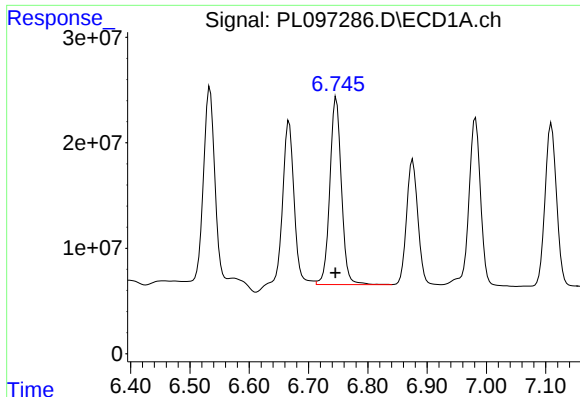
Signal: PL097286.D\ECD2B.ch

#14 Endrin



R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 351741763
Conc: 46.83 ng/ml

Time



#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 240154015
Conc: 48.83 ng/ml

Instrument :

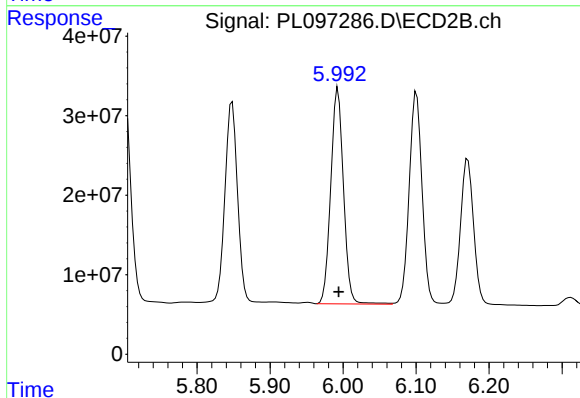
ECD_L

ClientSampleId :

ICVPL092025

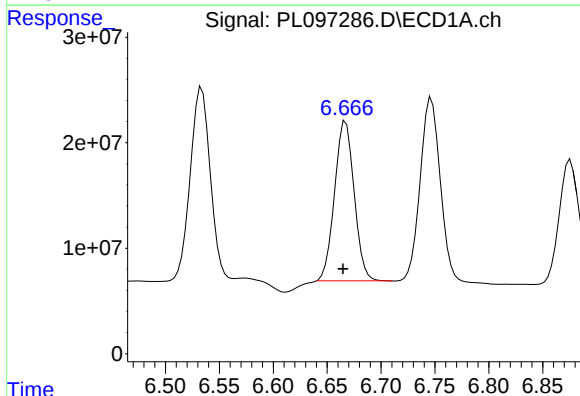
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



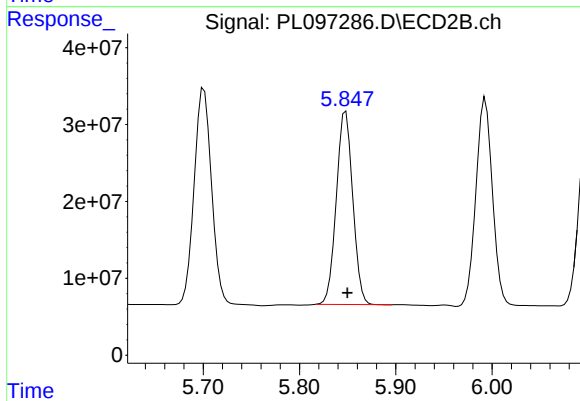
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.001 min
Response: 329390357
Conc: 46.33 ng/ml



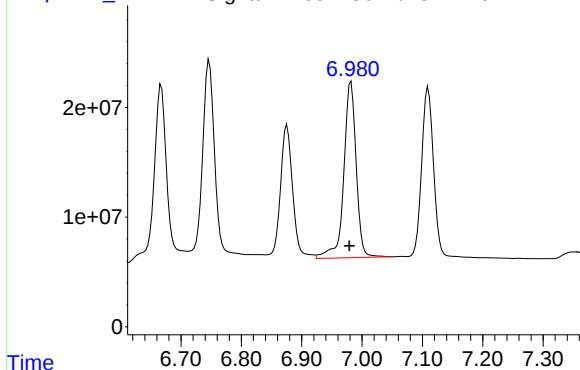
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 191116065
Conc: 50.69 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.001 min
Response: 297903293
Conc: 46.19 ng/ml

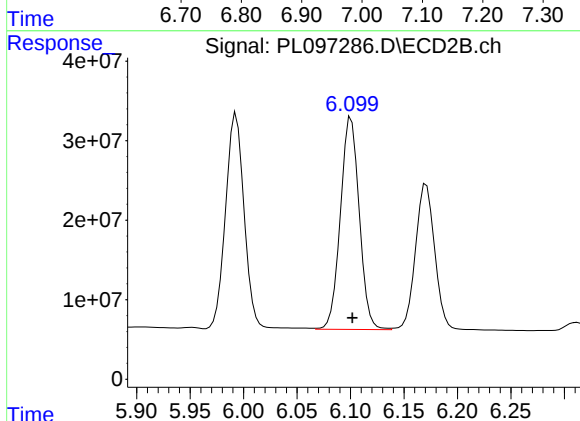


R.T.: 6.982 min
Delta R.T.: 0.003 min
Response: 229264549
Conc: 54.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

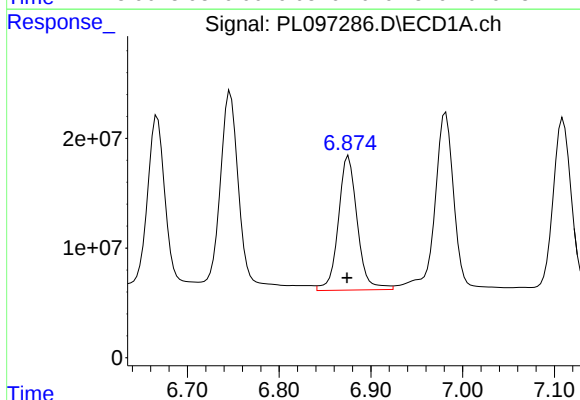
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



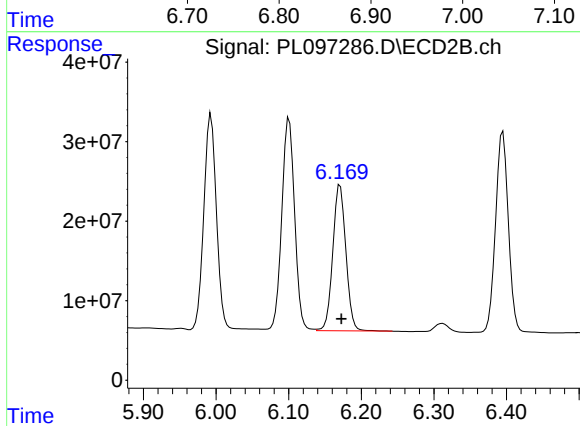
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 327953328
Conc: 47.39 ng/ml



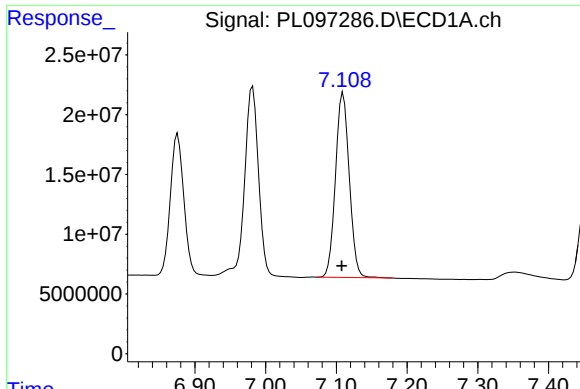
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.002 min
Response: 175293716
Conc: 56.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 229685457
Conc: 43.03 ng/ml



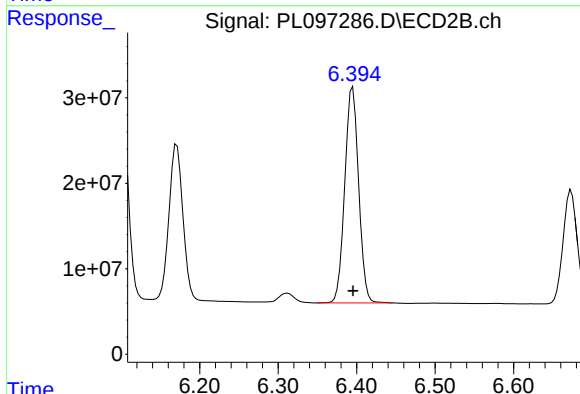
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: 0.002 min
Response: 209298673
Conc: 51.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

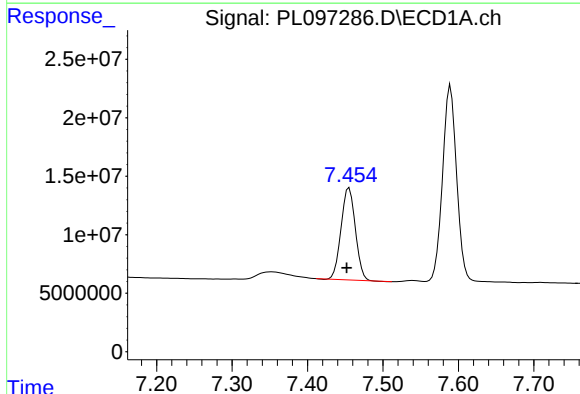
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



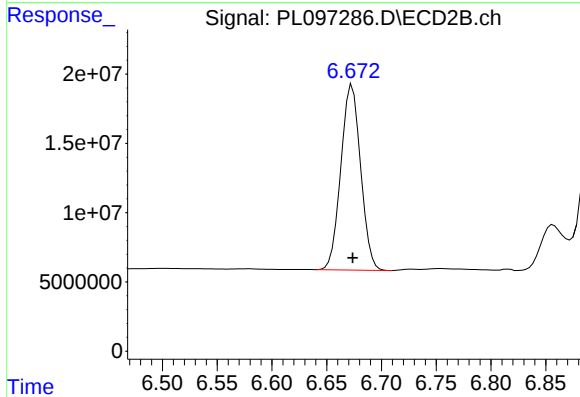
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 310246392
Conc: 45.29 ng/ml



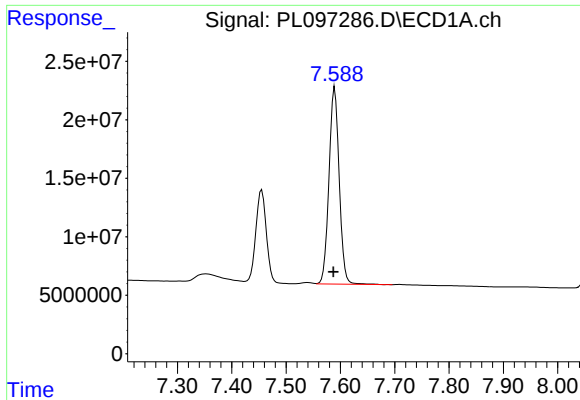
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: 0.003 min
Response: 103836592
Conc: 49.79 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 167964303
Conc: 44.56 ng/ml



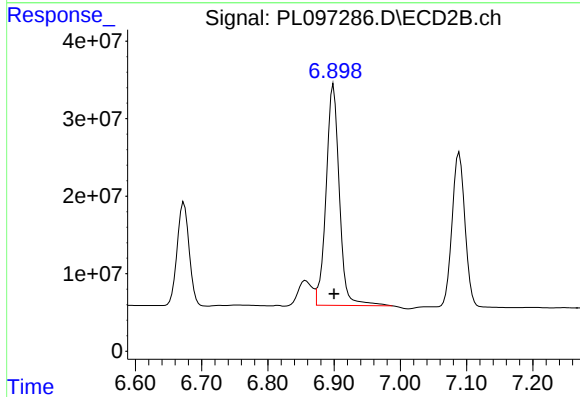
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: 0.003 min
Response: 219975244
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

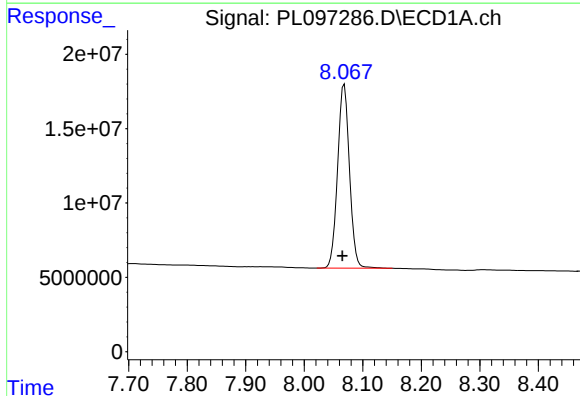
Manual Integrations
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Supervised By :mohammad ahmed 09/23/2025



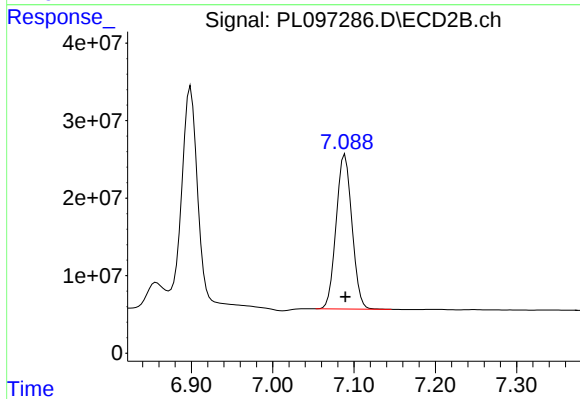
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.002 min
Response: 395449102
Conc: 52.51 ng/ml m



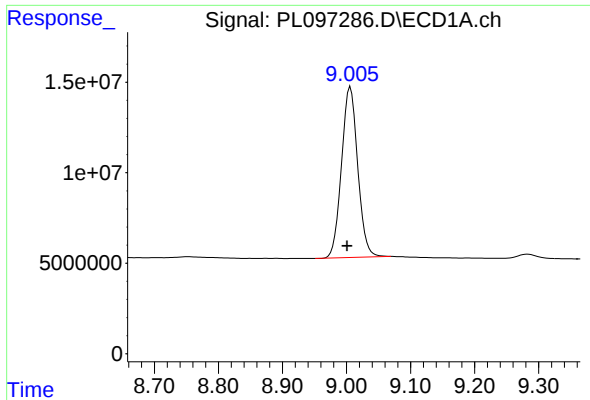
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.003 min
Response: 174352255
Conc: 49.11 ng/ml



#22 Mirex

R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 269196689
Conc: 45.03 ng/ml



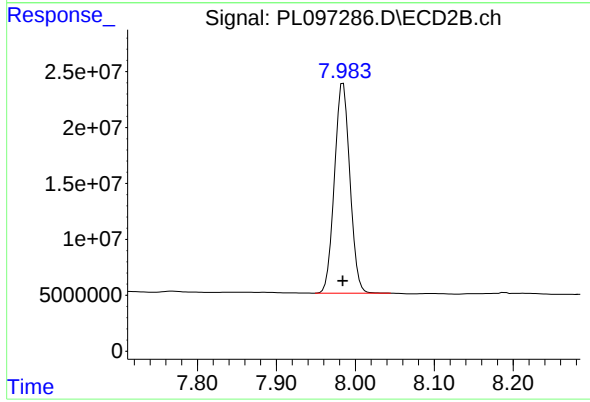
#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: 0.005 min
Response: 165189104
Conc: 50.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
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Supervised By :mohammad ahmed 09/23/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: 0.000 min
Response: 255270823
Conc: 44.85 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097287.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 08:52
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL092025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:12:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.822	199.7E6	365.8E6	44.121	55.633 #
28)	SA Decachlor...	9.001	7.983	139.6E6	237.0E6	42.668	41.636
Target Compounds							
23)	Chlordane-1	4.679	3.831	111.7E6	129.9E6	527.132	511.091
24)	Chlordane-2	5.201	4.410	111.1E6	150.3E6	500.634m	511.589
25)	Chlordane-3	5.905	5.043	424.6E6	455.7E6	520.618m	509.555
26)	Chlordane-4	5.989	5.106	515.0E6	380.7E6	514.915m	499.841m
27)	Chlordane-5	6.826	6.001	87854088	149.8E6	524.084m	502.416

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 08:52
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL092025

Manual Integrations

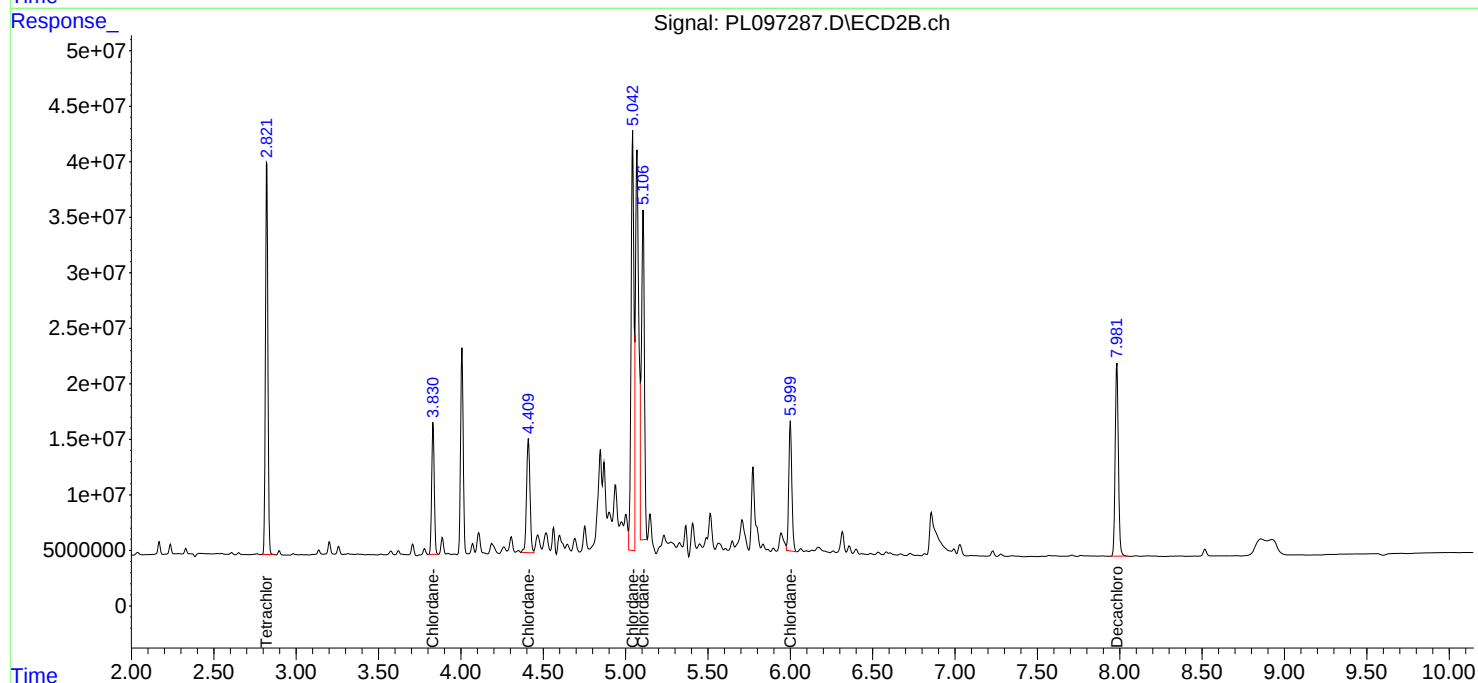
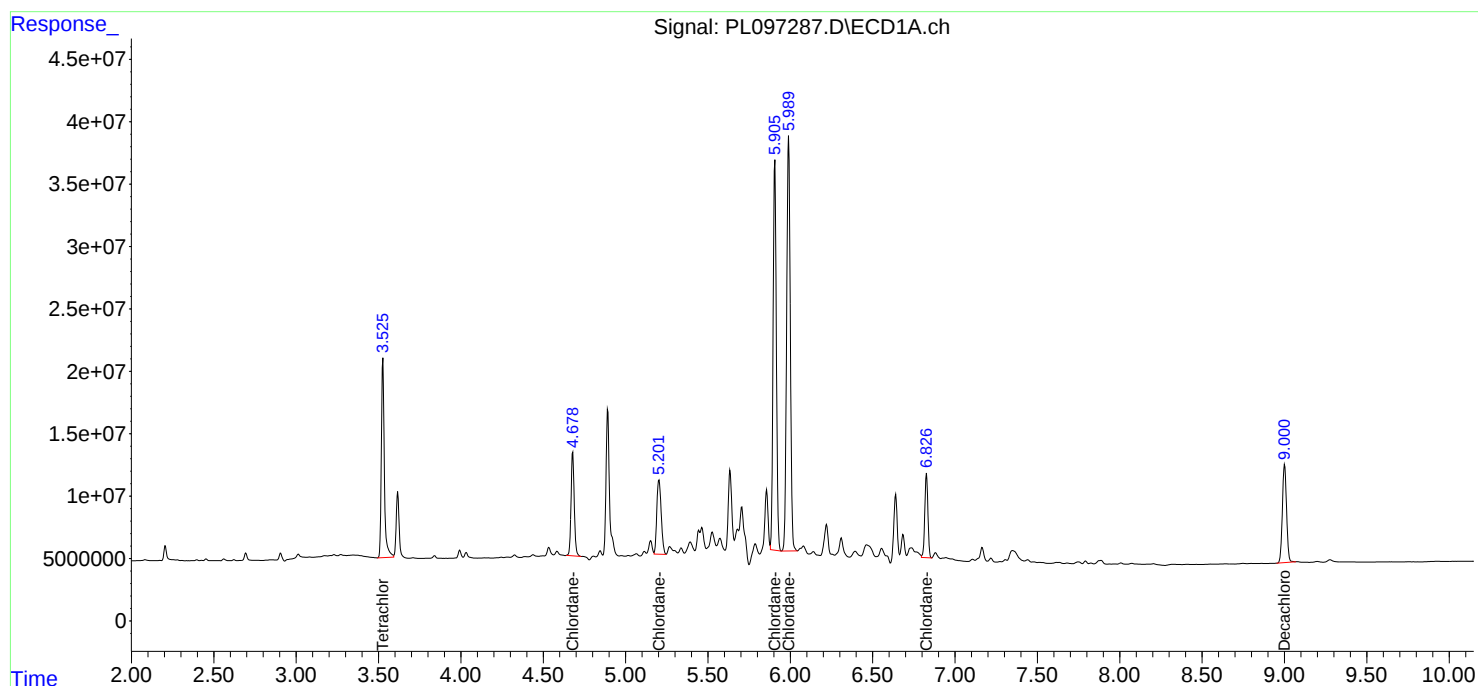
APPROVED

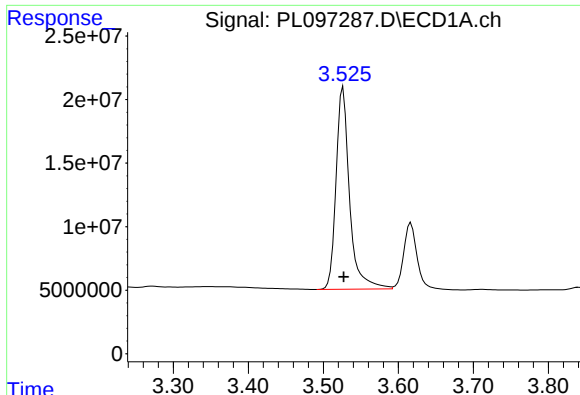
Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:12:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 199742879
Conc: 44.12 ng/ml

Instrument :

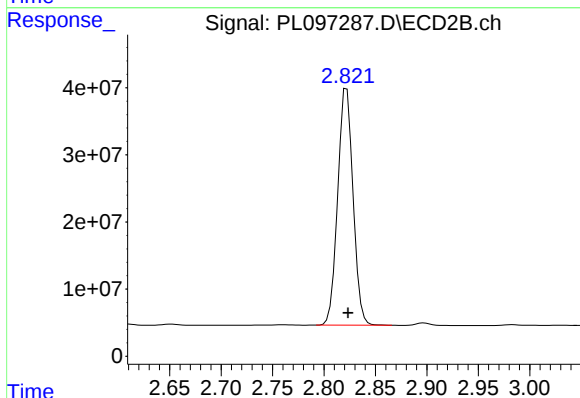
ECD_L

ClientSampleId :

ICVPL092025

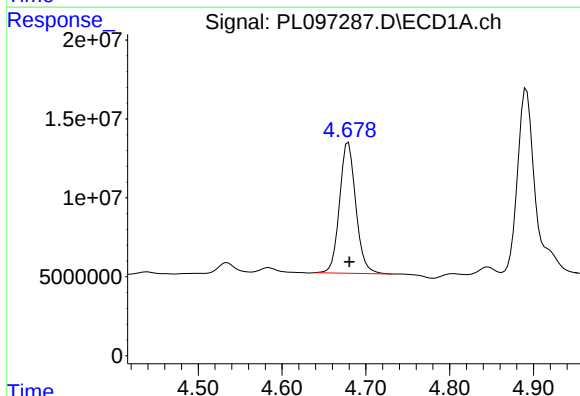
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



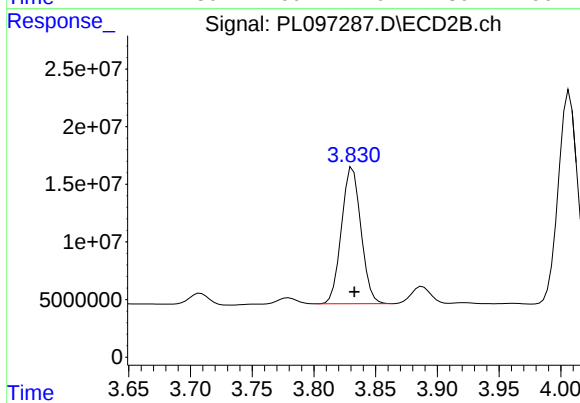
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 365820787
Conc: 55.63 ng/ml



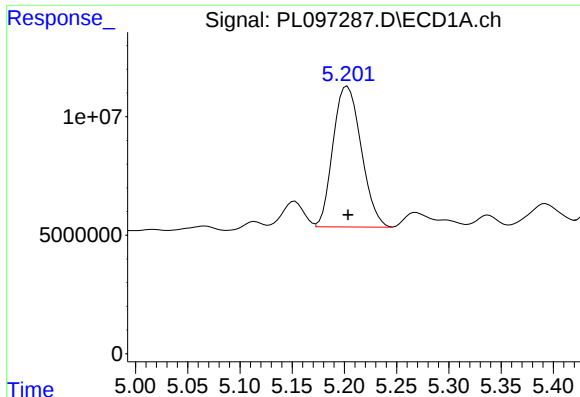
#23 Chlordane-1

R.T.: 4.679 min
Delta R.T.: -0.001 min
Response: 111717678
Conc: 527.13 ng/ml



#23 Chlordane-1

R.T.: 3.831 min
Delta R.T.: -0.001 min
Response: 129896137
Conc: 511.09 ng/ml



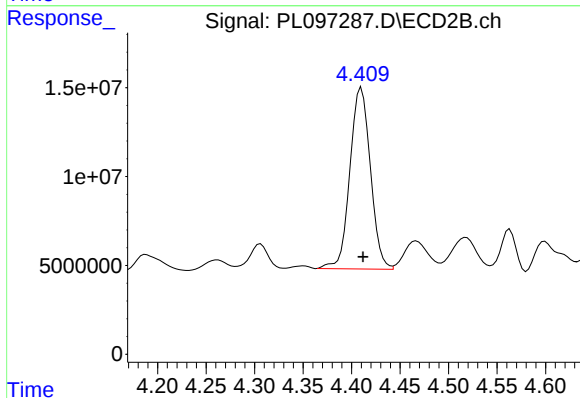
#24 Chlordane-2

R.T.: 5.201 min
Delta R.T.: -0.002 min
Response: 111127576
Conc: 500.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

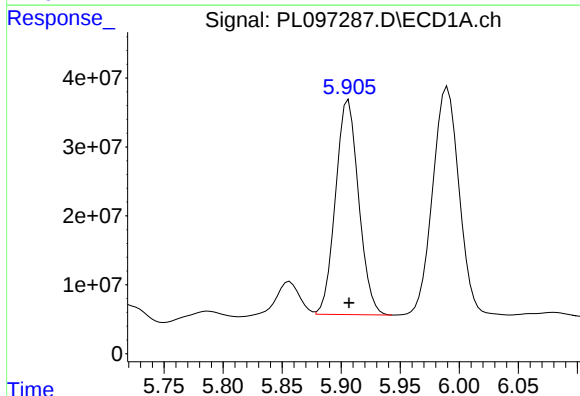
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



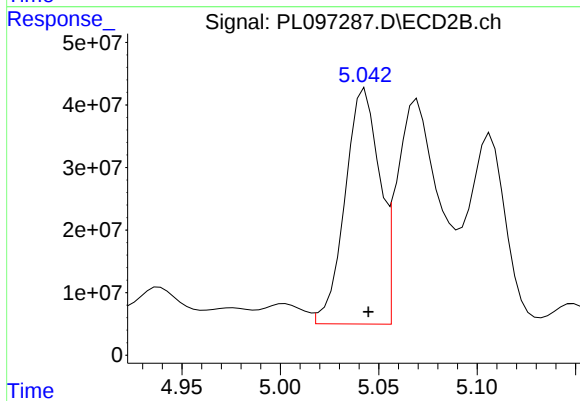
#24 Chlordane-2

R.T.: 4.410 min
Delta R.T.: -0.002 min
Response: 150260545
Conc: 511.59 ng/ml



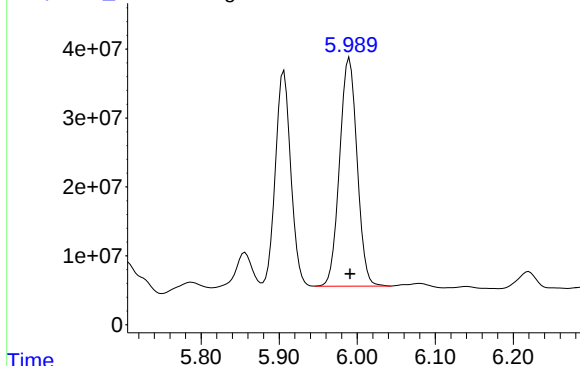
#25 Chlordane-3

R.T.: 5.905 min
Delta R.T.: -0.002 min
Response: 424636796
Conc: 520.62 ng/ml m



#25 Chlordane-3

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 455653044
Conc: 509.56 ng/ml



R.T.: 5.989 min
Delta R.T.: -0.002 min
Response: 515031479
Conc: 514.92 ng/ml

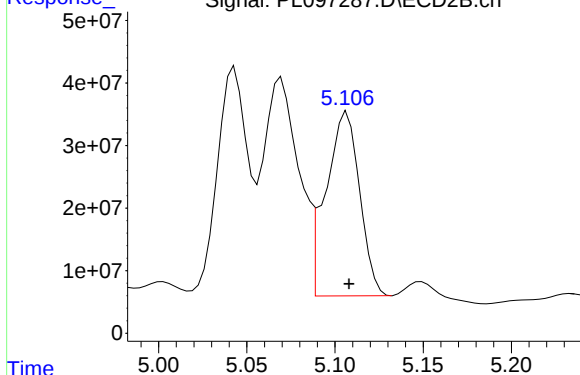
Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025

Time
Response_ Signal: PL097287.D\ECD2B.ch

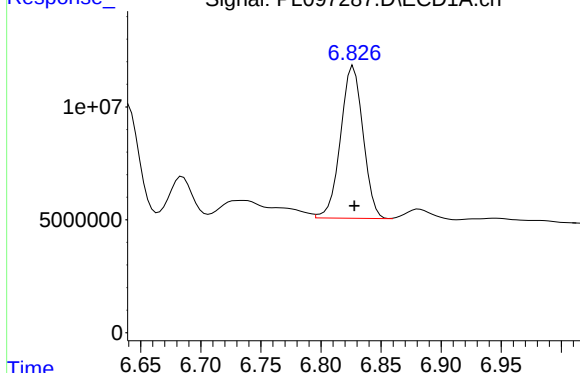
#26 Chlordane-4



R.T.: 5.106 min
Delta R.T.: -0.002 min
Response: 380650951
Conc: 499.84 ng/ml m

Time
Response_ Signal: PL097287.D\ECD1A.ch

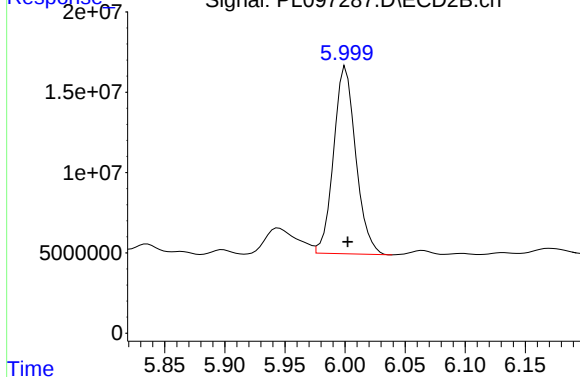
#27 Chlordane-5



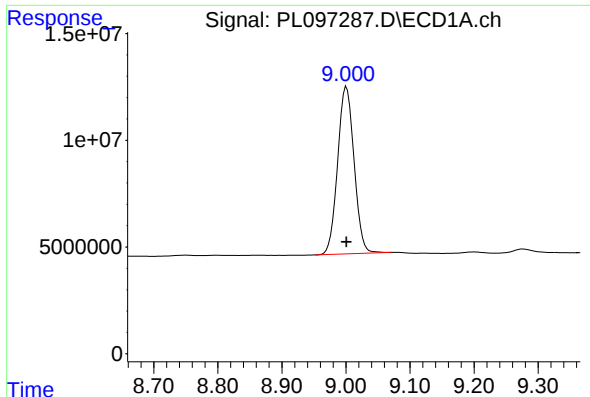
R.T.: 6.826 min
Delta R.T.: -0.002 min
Response: 87854088
Conc: 524.08 ng/ml m

Time
Response_ Signal: PL097287.D\ECD2B.ch

#27 Chlordane-5



R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 149791784
Conc: 502.42 ng/ml



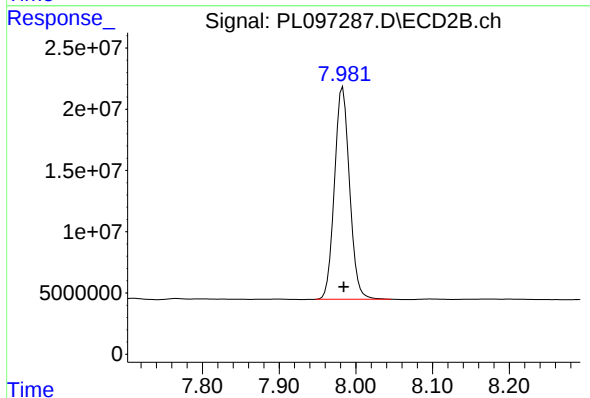
#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 139618314
Conc: 42.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
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Supervised By :mohammad ahmed 09/23/2025



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 236976747
Conc: 41.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 09:25
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL092025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:41:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 06:34:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.822	206.8E6	305.4E6	49.043	49.125
7) SA Decachlor...	9.004	7.985	146.0E6	259.8E6	48.901	47.512
Target Compounds						
2) Toxaphene-1	6.203	5.064	20584370	20730281	478.691	527.108m
3) Toxaphene-2	6.602	5.752	15850196	25914739	475.278	475.930
4) Toxaphene-3	7.016	6.033	66126700	27574610	472.119	485.585
5) Toxaphene-4	7.106	6.667	50737974	89589604	488.063	520.666
6) Toxaphene-5	7.885	7.107	34706442	51873806	481.757	482.163

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 09:25
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL092025

Manual Integrations

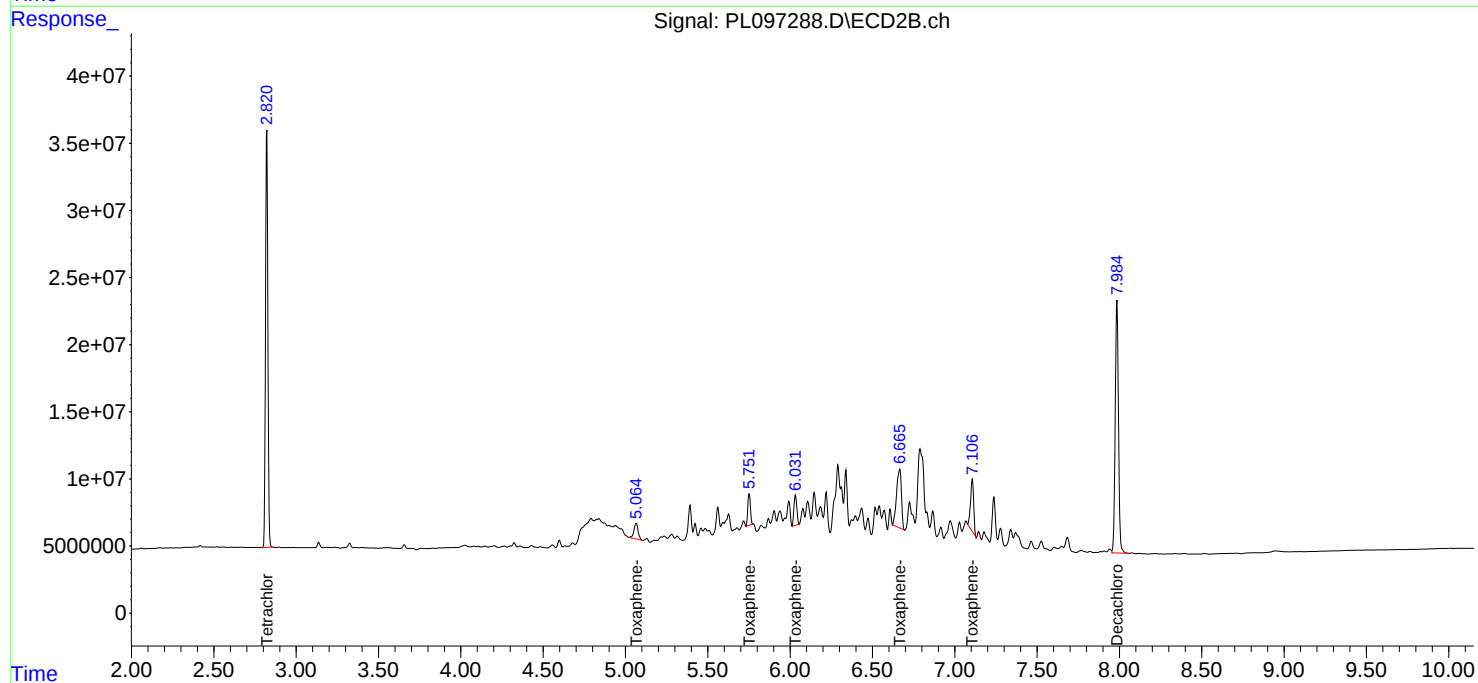
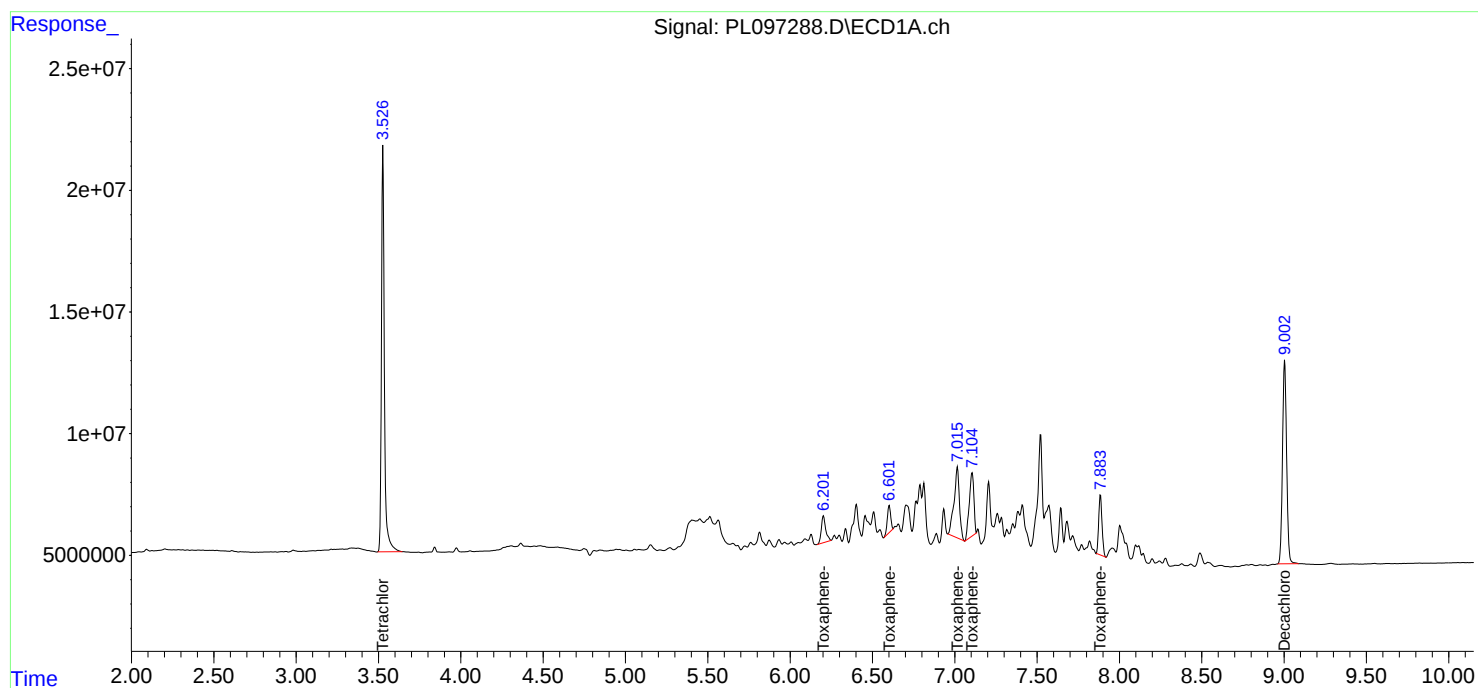
APPROVED

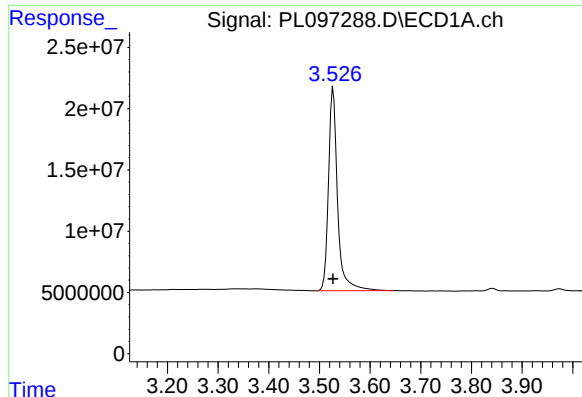
Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 06:34:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 206823856
Conc: 49.04 ng/ml

Instrument :

ECD_L

ClientSampleId :

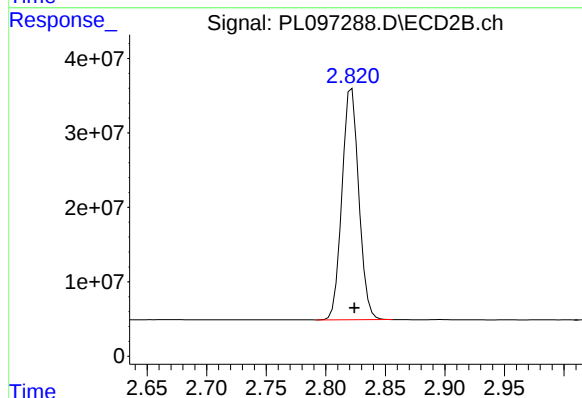
ICVPL092025

Manual Integrations

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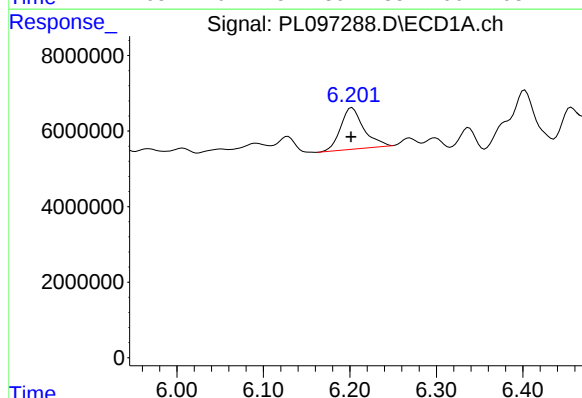
Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025



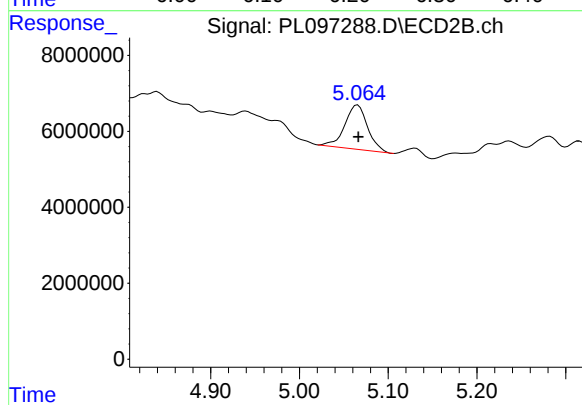
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.002 min
Response: 305370997
Conc: 49.12 ng/ml



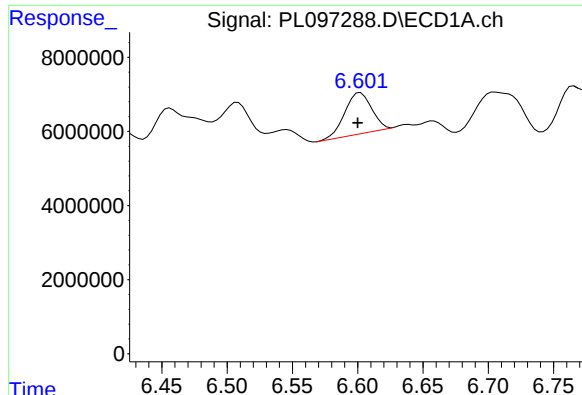
#2 Toxaphene-1

R.T.: 6.203 min
Delta R.T.: 0.001 min
Response: 20584370
Conc: 478.69 ng/ml



#2 Toxaphene-1

R.T.: 5.064 min
Delta R.T.: -0.002 min
Response: 20730281
Conc: 527.11 ng/ml m



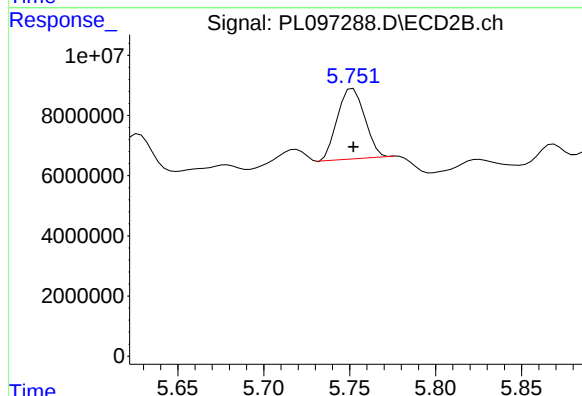
#3 Toxaphene-2

R.T.: 6.602 min
Delta R.T.: 0.002 min
Response: 15850196
Conc: 475.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

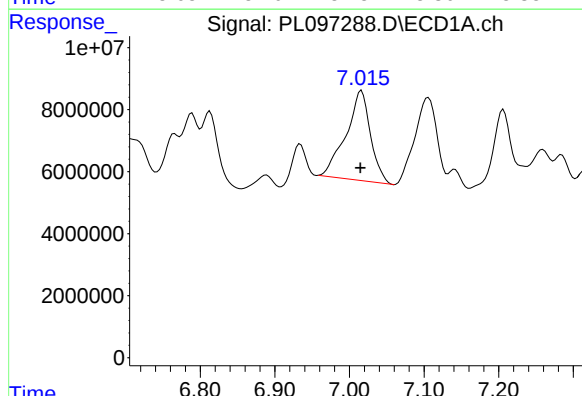
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



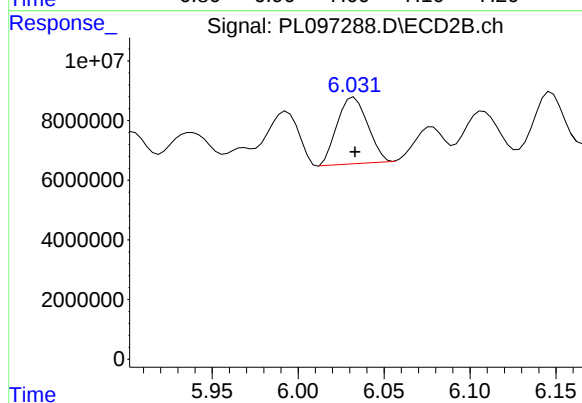
#3 Toxaphene-2

R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 25914739
Conc: 475.93 ng/ml



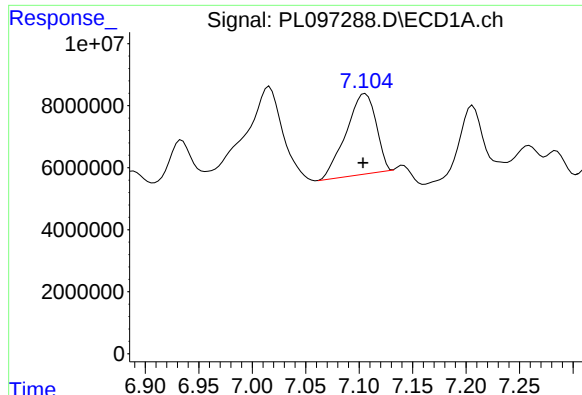
#4 Toxaphene-3

R.T.: 7.016 min
Delta R.T.: 0.002 min
Response: 66126700
Conc: 472.12 ng/ml



#4 Toxaphene-3

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 27574610
Conc: 485.59 ng/ml



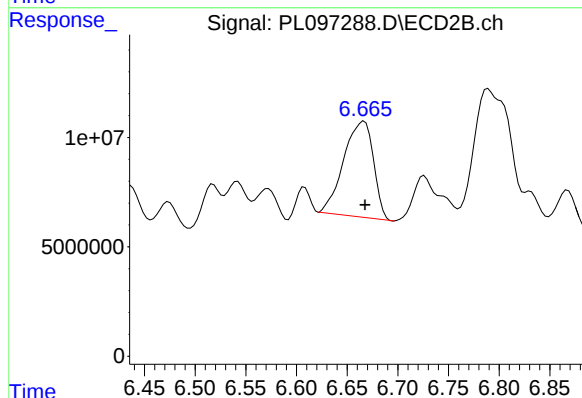
#5 Toxaphene-4

R.T.: 7.106 min
Delta R.T.: 0.002 min
Response: 50737974
Conc: 488.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

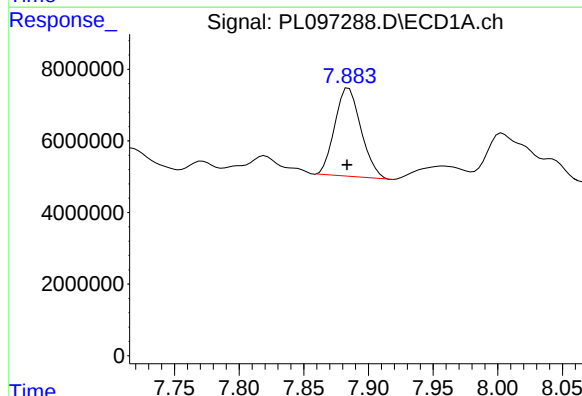
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



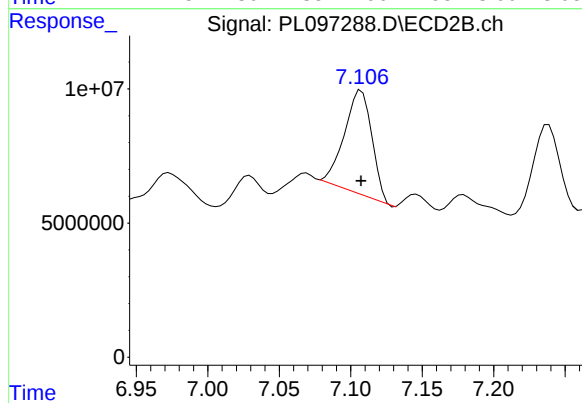
#5 Toxaphene-4

R.T.: 6.667 min
Delta R.T.: -0.001 min
Response: 89589604
Conc: 520.67 ng/ml



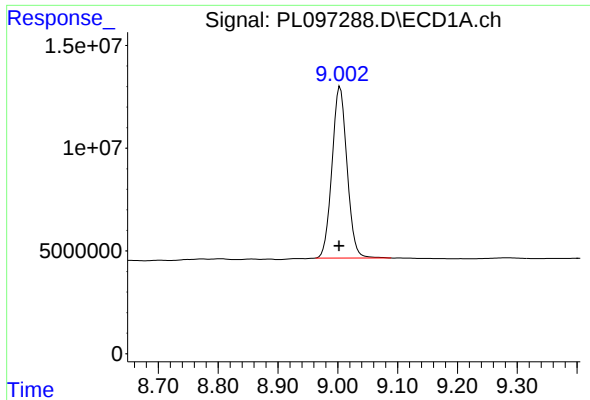
#6 Toxaphene-5

R.T.: 7.885 min
Delta R.T.: 0.001 min
Response: 34706442
Conc: 481.76 ng/ml



#6 Toxaphene-5

R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 51873806
Conc: 482.16 ng/ml



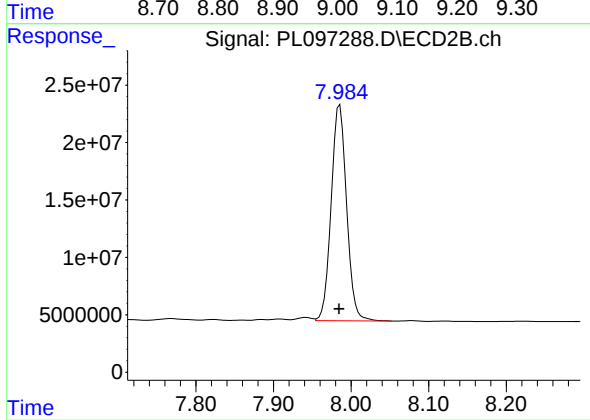
#7 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.002 min
Response: 145951688
Conc: 48.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



#7 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: 0.000 min
Response: 259789304
Conc: 47.51 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/25/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 11:17

Initial Calibration Time(s): 10:30

11:24

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/25/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 11:17

Initial Calibration Time(s): 10:30

11:24

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.98	6.88	7.08	-0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/25/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090387.D **Time Analyzed:** 11:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.601	6.801	42.140	50.000	-15.7
4,4'-DDE	6.199	6.092	6.292	41.670	50.000	-16.7
4,4'-DDT	7.024	6.917	7.117	42.020	50.000	-16.0
Aldrin	5.274	5.166	5.366	41.530	50.000	-16.9
alpha-BHC	4.003	3.895	4.095	41.890	50.000	-16.2
alpha-Chlordane	6.030	5.922	6.122	41.230	50.000	-17.5
beta-BHC	4.521	4.413	4.613	40.990	50.000	-18.0
Decachlorobiphenyl	9.076	8.968	9.168	42.170	50.000	-15.7
delta-BHC	4.768	4.661	4.861	43.090	50.000	-13.8
Dieldrin	6.350	6.243	6.443	41.550	50.000	-16.9
Endosulfan I	6.078	5.970	6.170	41.350	50.000	-17.3
Endosulfan II	6.790	6.682	6.882	42.900	50.000	-14.2
Endosulfan sulfate	7.154	7.046	7.246	41.470	50.000	-17.1
Endrin	6.578	6.469	6.669	41.440	50.000	-17.1
Endrin aldehyde	6.919	6.811	7.011	42.330	50.000	-15.3
Endrin ketone	7.634	7.527	7.727	42.130	50.000	-15.7
gamma-BHC (Lindane)	4.334	4.226	4.426	41.620	50.000	-16.8
gamma-Chlordane	5.950	5.842	6.042	41.610	50.000	-16.8
Heptachlor	4.932	4.825	5.025	42.130	50.000	-15.7
Heptachlor epoxide	5.694	5.586	5.786	41.180	50.000	-17.6
Methoxychlor	7.498	7.390	7.590	41.320	50.000	-17.4
Tetrachloro-m-xylene	3.552	3.446	3.646	40.210	50.000	-19.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/25/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090387.D **Time Analyzed:** 11:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.924	5.822	6.022	42.110	50.000	-15.8
4,4'-DDE	5.369	5.268	5.468	42.080	50.000	-15.8
4,4'-DDT	6.177	6.076	6.276	42.620	50.000	-14.8
Aldrin	4.363	4.262	4.462	41.740	50.000	-16.5
alpha-BHC	3.388	3.288	3.488	41.420	50.000	-17.2
alpha-Chlordane	5.184	5.083	5.283	42.090	50.000	-15.8
beta-BHC	4.019	3.920	4.120	41.870	50.000	-16.3
Decachlorobiphenyl	8.065	7.964	8.164	44.180	50.000	-11.6
delta-BHC	4.257	4.156	4.356	41.760	50.000	-16.5
Dieldrin	5.507	5.406	5.606	42.100	50.000	-15.8
Endosulfan I	5.241	5.140	5.340	42.070	50.000	-15.9
Endosulfan II	6.075	5.973	6.173	42.510	50.000	-15.0
Endosulfan sulfate	6.476	6.375	6.575	42.090	50.000	-15.8
Endrin	5.784	5.682	5.882	40.610	50.000	-18.8
Endrin aldehyde	6.253	6.152	6.352	42.880	50.000	-14.2
Endrin ketone	6.985	6.884	7.084	42.750	50.000	-14.5
gamma-BHC (Lindane)	3.724	3.624	3.824	41.480	50.000	-17.0
gamma-Chlordane	5.120	5.018	5.218	42.050	50.000	-15.9
Heptachlor	4.077	3.976	4.176	42.600	50.000	-14.8
Heptachlor epoxide	4.867	4.766	4.966	41.640	50.000	-16.7
Methoxychlor	6.747	6.646	6.846	41.010	50.000	-18.0
Tetrachloro-m-xylene	2.875	2.776	2.976	40.840	50.000	-18.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
 Data File : PD090387.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Sep 2025 11:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 26 05:44:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.875	130.7E6	1121.0E6	40.213m	40.837
28)	SA Decachlor...	9.076	8.065	203.5E6	1432.2E6	42.175	44.184
Target Compounds							
2)	A alpha-BHC	4.003	3.388	292.6E6	1813.6E6	41.892	41.422
3)	MA gamma-BHC...	4.334	3.724	275.4E6	1689.6E6	41.617	41.477
4)	MA Heptachlor	4.932	4.077	278.6E6	1734.7E6	42.134	42.605
5)	MB Aldrin	5.274	4.363	263.7E6	1666.8E6	41.534	41.739
6)	B beta-BHC	4.521	4.019	105.7E6	725.8E6	40.987	41.867m
7)	B delta-BHC	4.768	4.257	278.2E6	1724.6E6	43.088m	41.764
8)	B Heptachlo...	5.694	4.867	235.3E6	1535.2E6	41.179	41.645
9)	A Endosulfan I	6.078	5.241	223.4E6	1455.8E6	41.354	42.068
10)	B gamma-Chl...	5.950	5.120	237.6E6	1652.2E6	41.605	42.054
11)	B alpha-Chl...	6.030	5.184	237.5E6	1585.4E6	41.226	42.091
12)	B 4,4'-DDE	6.199	5.369	217.0E6	1610.8E6	41.669	42.080
13)	MA Dieldrin	6.350	5.507	239.5E6	1639.7E6	41.552	42.102
14)	MA Endrin	6.578	5.784	202.8E6	1455.2E6	41.444	40.610
15)	B Endosulfa...	6.790	6.075	209.3E6	1434.8E6	42.903	42.512
16)	A 4,4'-DDD	6.709	5.924	172.7E6	1365.5E6	42.136	42.109
17)	MA 4,4'-DDT	7.024	6.177	187.1E6	1465.1E6	42.023	42.617
18)	B Endrin al...	6.919	6.253	145.2E6	1009.6E6	42.332	42.878
19)	B Endosulfa...	7.154	6.476	190.8E6	1375.9E6	41.466	42.090
20)	A Methoxychlor	7.498	6.747	97370764	713.6E6	41.320	41.010
21)	B Endrin ke...	7.634	6.985	208.4E6	1543.4E6	42.132	42.750
22)	Mirex	8.115	7.179	151.3E6	1179.3E6	40.838m	42.720

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 11:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

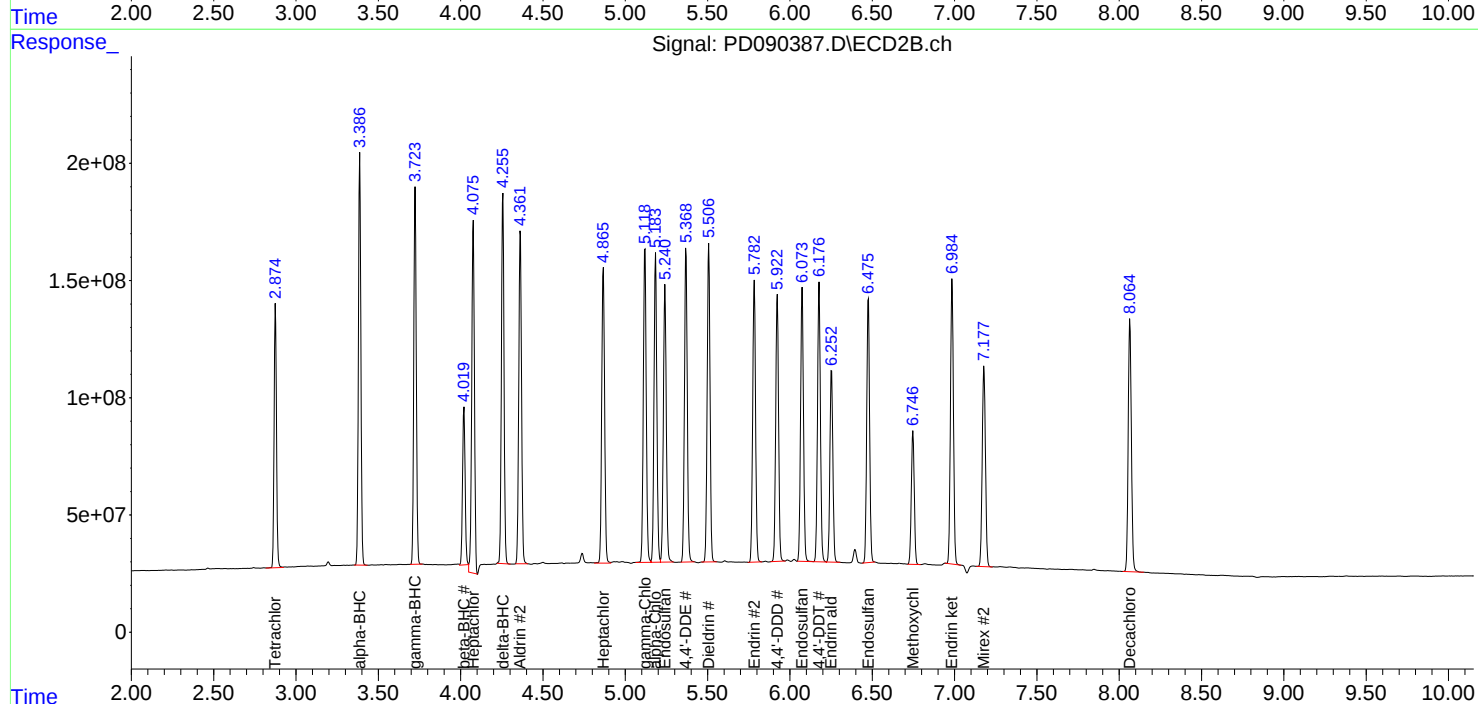
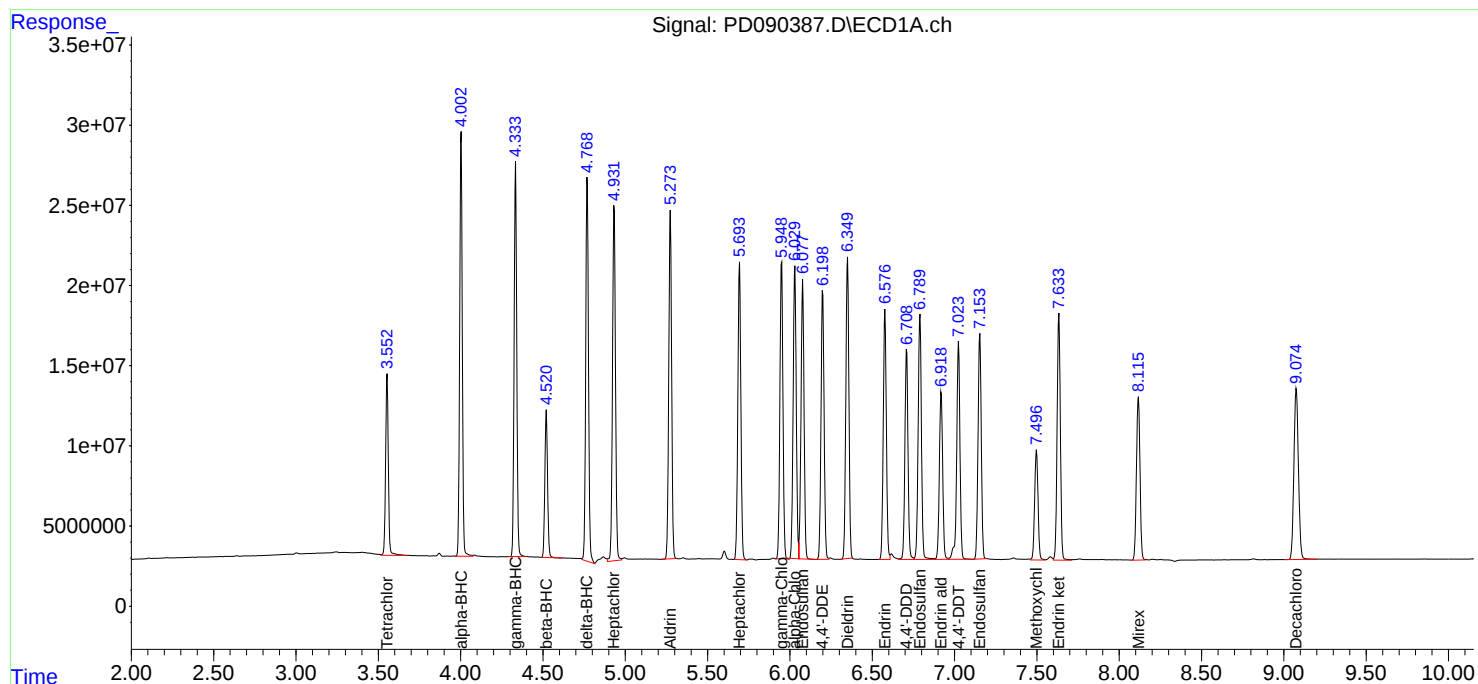
APPROVED

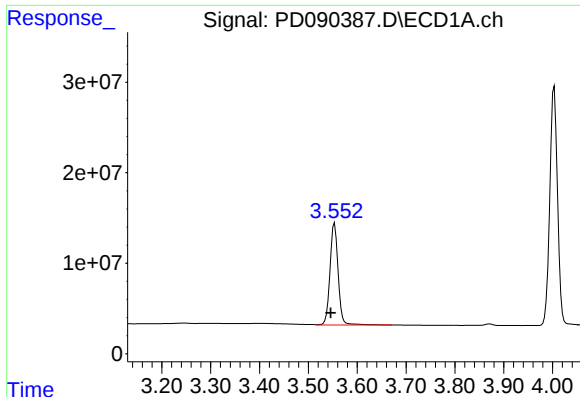
Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:44:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 130709391
Conc: 40.21 ng/ml

Instrument :

ECD_D

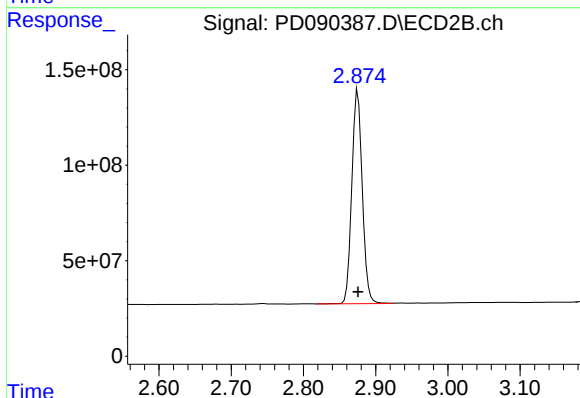
ClientSampleId :

PSTDCCC050

Manual Integrations

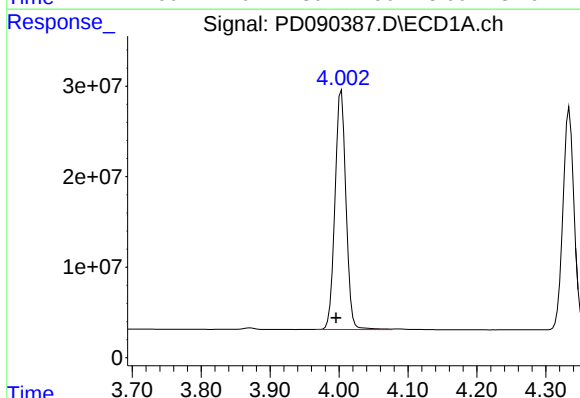
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



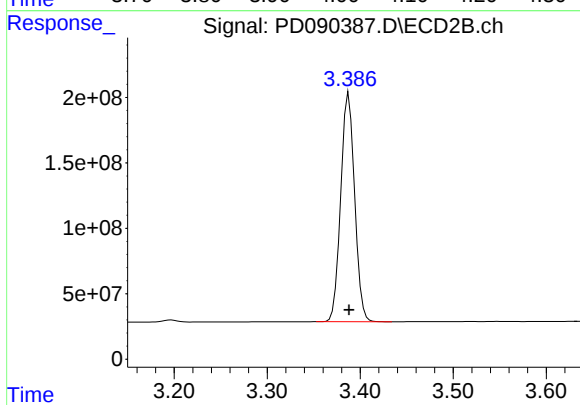
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1120969893
Conc: 40.84 ng/ml



#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.008 min
Response: 292595349
Conc: 41.89 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1813574720
Conc: 41.42 ng/ml

Response_ Signal: PD090387.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.008 min
Response: 275377687
Conc: 41.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090387.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1689580329
Conc: 41.48 ng/ml

Time

Response_ Signal: PD090387.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.007 min
Response: 278611519
Conc: 42.13 ng/ml

Time

Response_ Signal: PD090387.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 1734737796
Conc: 42.60 ng/ml

Time

Response_ Signal: PD090387.D\ECD1A.ch

#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.008 min
Response: 263740047
Conc: 41.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090387.D\ECD2B.ch

#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1666837323
Conc: 41.74 ng/ml

Time

Response_ Signal: PD090387.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.008 min
Response: 105743781
Conc: 40.99 ng/ml

Time

Response_ Signal: PD090387.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 725774802
Conc: 41.87 ng/ml m

Time

Response_ Signal: PD090387.D\ECD1A.ch

Time

Response_ Signal: PD090387.D\ECD2B.ch

Time

Response_ Signal: PD090387.D\ECD1A.ch

Time

Response_ Signal: PD090387.D\ECD2B.ch

Time

Response_ Signal: PD090387.D\ECD1A.ch

Time

Response_ Signal: PD090387.D\ECD2B.ch

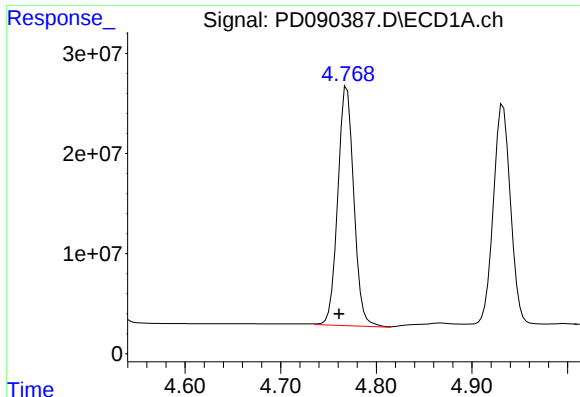
Time

Response_ Signal: PD090387.D\ECD1A.ch

Time

Response_ Signal: PD090387.D\ECD2B.ch

Time



#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.007 min
Response: 278243789
Conc: 43.09 ng/ml

Instrument :

ECD_D

ClientSampleId :

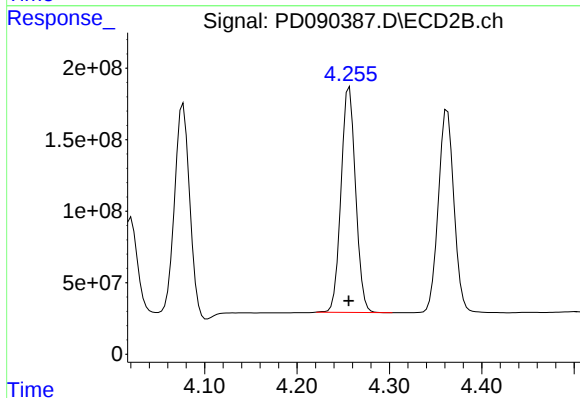
PSTDCCC050

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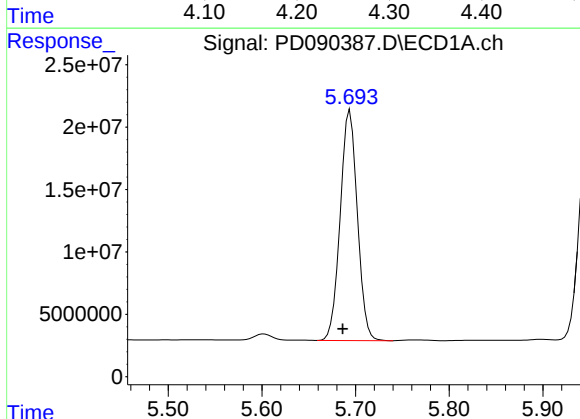
Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025



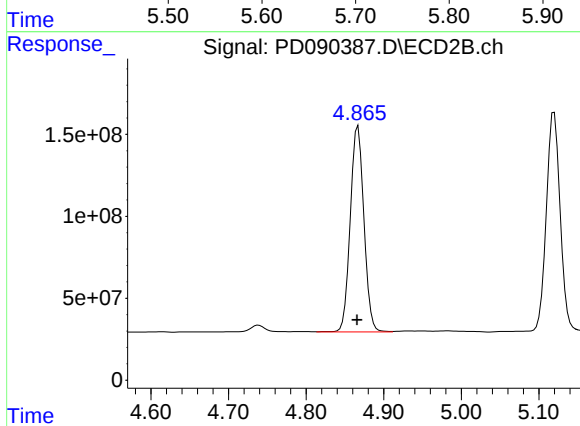
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1724628781
Conc: 41.76 ng/ml



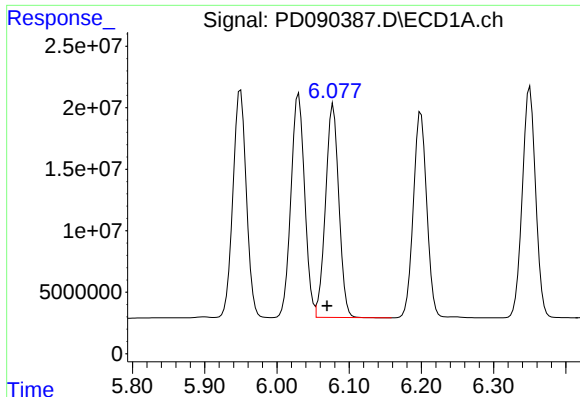
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.008 min
Response: 235333599
Conc: 41.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.001 min
Response: 1535228620
Conc: 41.64 ng/ml



#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.008 min
Response: 223372114
Conc: 41.35 ng/ml

Instrument :

ECD_D

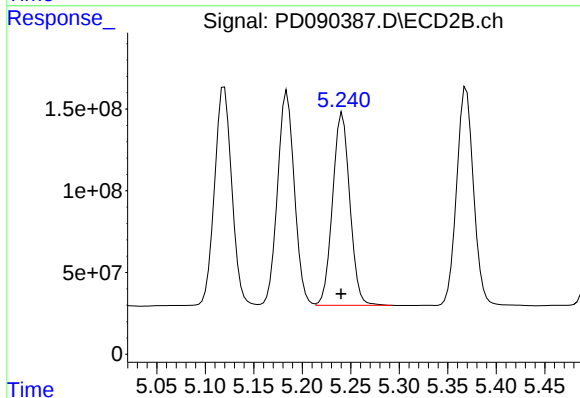
ClientSampleId :

PSTDCCC050

Manual Integrations

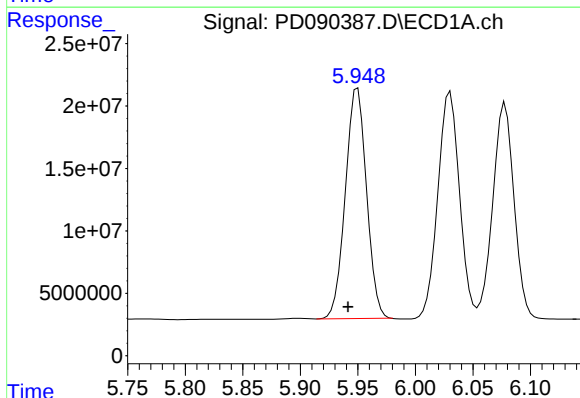
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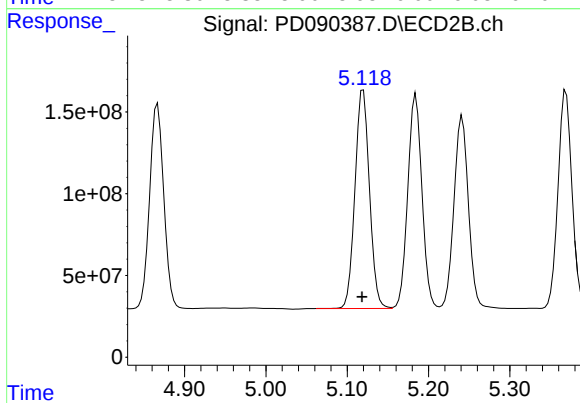
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.002 min
Response: 1455775310
Conc: 42.07 ng/ml



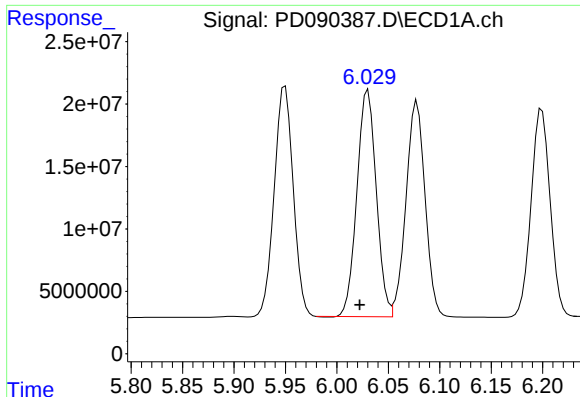
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.008 min
Response: 237647521
Conc: 41.61 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.001 min
Response: 1652157357
Conc: 42.05 ng/ml



#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.008 min
Response: 237497315
Conc: 41.23 ng/ml

Instrument :

ECD_D

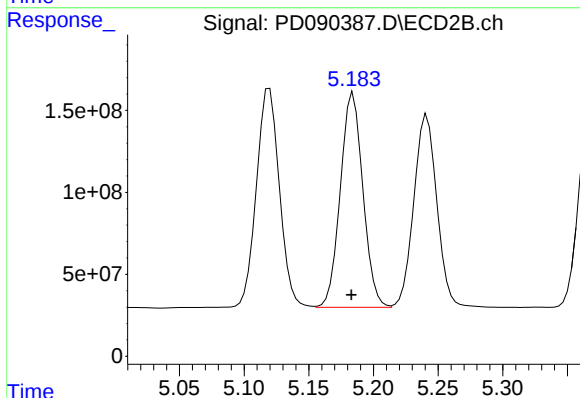
ClientSampleId :

PSTDCCC050

Manual Integrations

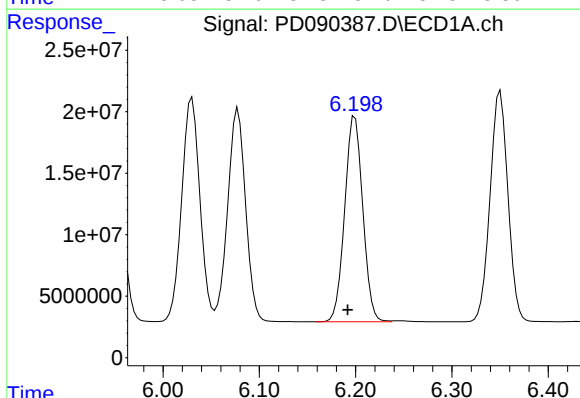
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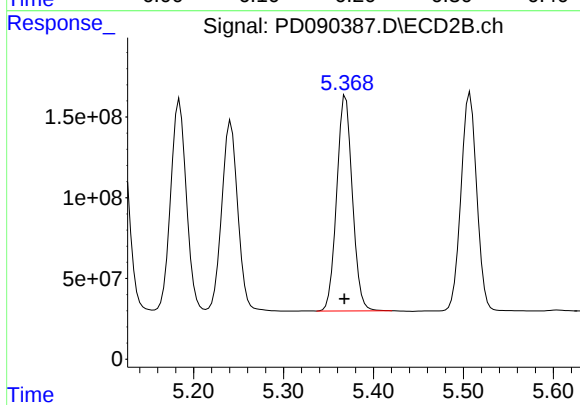
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.001 min
Response: 1585384313
Conc: 42.09 ng/ml



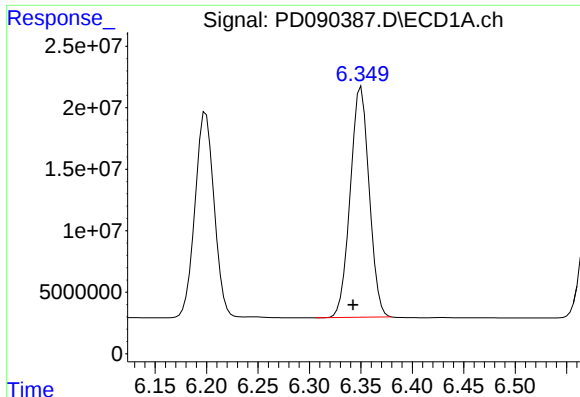
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.007 min
Response: 216989887
Conc: 41.67 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.001 min
Response: 1610798780
Conc: 42.08 ng/ml



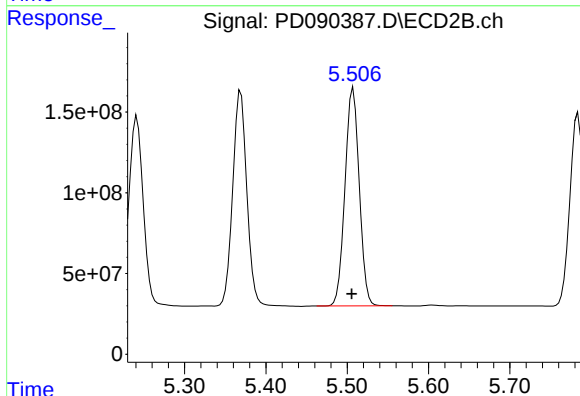
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.008 min
Response: 239534145
Conc: 41.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

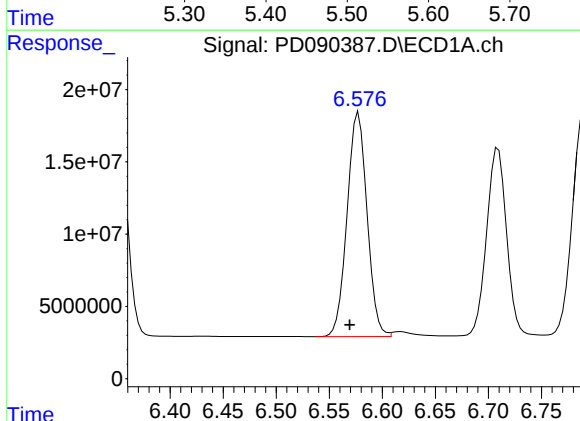
Manual Integrations
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Supervised By :Sohil Jodhani 09/26/2025



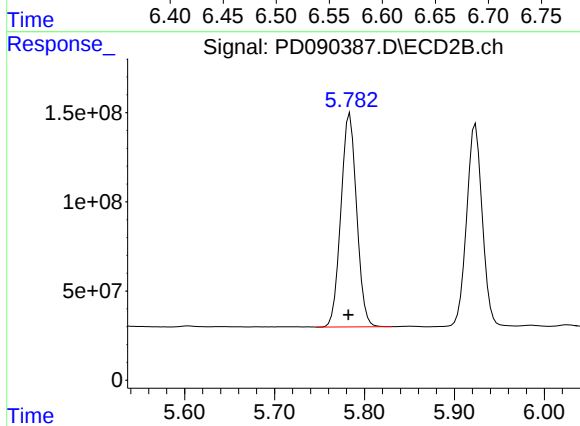
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.002 min
Response: 1639712841
Conc: 42.10 ng/ml



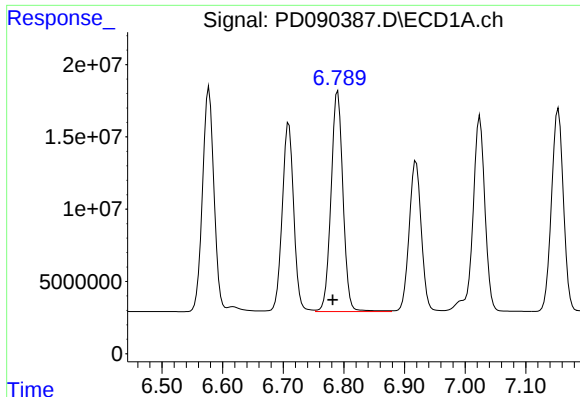
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.008 min
Response: 202823358
Conc: 41.44 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.002 min
Response: 1455153926
Conc: 40.61 ng/ml



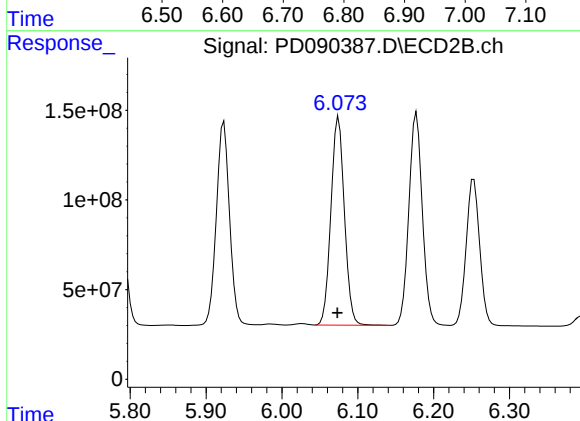
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.008 min
Response: 209273834
Conc: 42.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

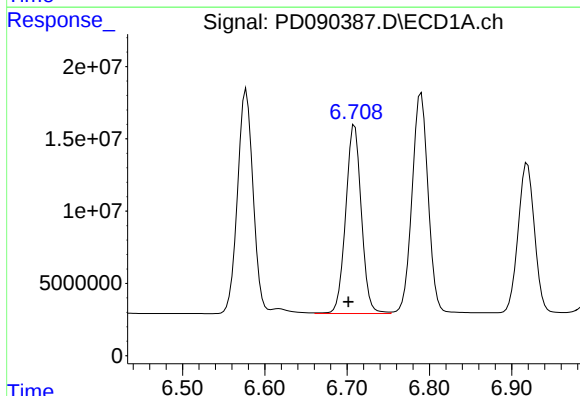
Manual Integrations
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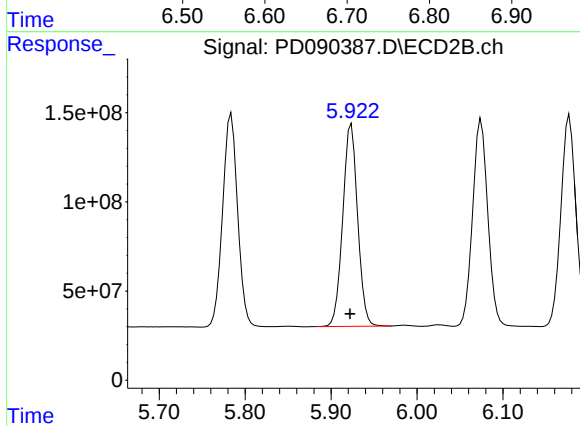
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.001 min
Response: 1434818698
Conc: 42.51 ng/ml



#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.008 min
Response: 172666460
Conc: 42.14 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.001 min
Response: 1365513504
Conc: 42.11 ng/ml

Response_ Signal: PD090387.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.007 min
Response: 187104849
Conc: 42.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time 6.60 6.70 6.80 6.90 7.00 7.10 7.20 7.30 7.40

Response_ Signal: PD090387.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.002 min
Response: 1465117345
Conc: 42.62 ng/ml

Time 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30 6.35

Response_ Signal: PD090387.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.008 min
Response: 145225065
Conc: 42.33 ng/ml

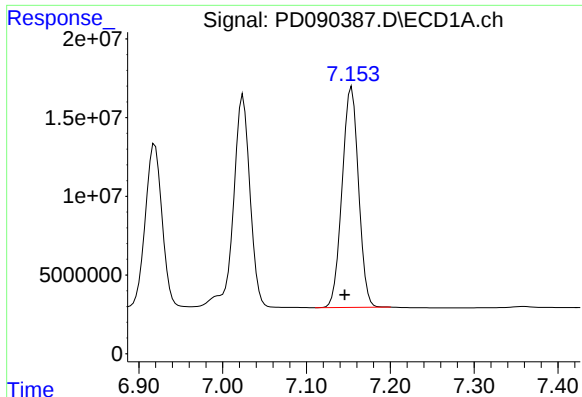
Time 6.70 6.80 6.90 7.00 7.10

Response_ Signal: PD090387.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.001 min
Response: 1009629507
Conc: 42.88 ng/ml

Time 6.10 6.20 6.30 6.40



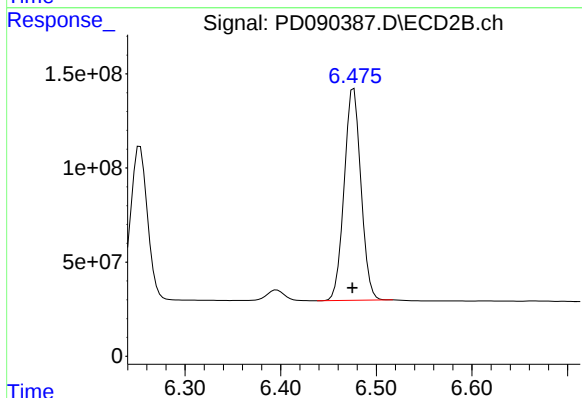
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.008 min
Response: 190756759
Conc: 41.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

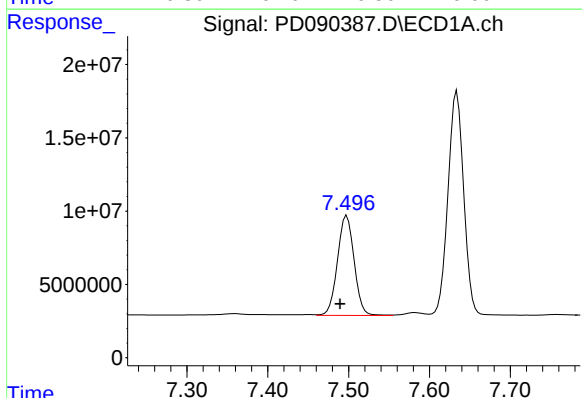
Manual Integrations
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Supervised By :Sohil Jodhani 09/26/2025



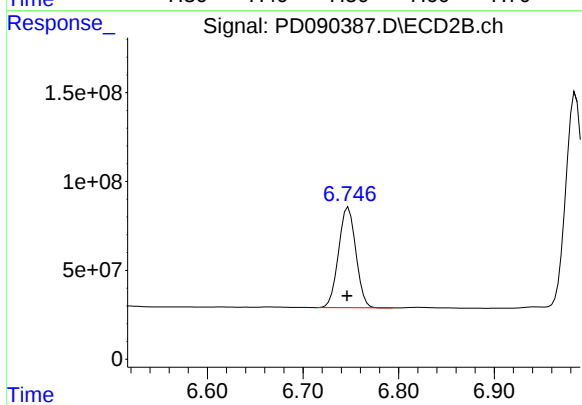
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.001 min
Response: 1375947240
Conc: 42.09 ng/ml



#20 Methoxychlor

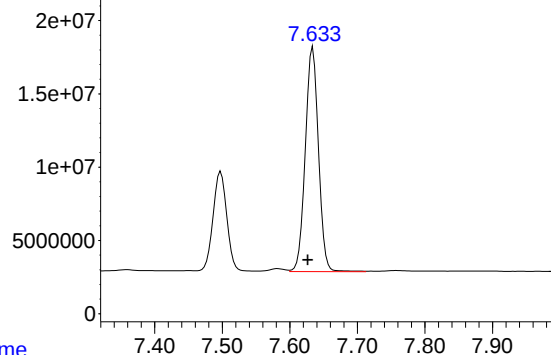
R.T.: 7.498 min
Delta R.T.: 0.008 min
Response: 97370764
Conc: 41.32 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 713596927
Conc: 41.01 ng/ml

Response_ Signal: PD090387.D\ECD1A.ch



#21 Endrin ketone

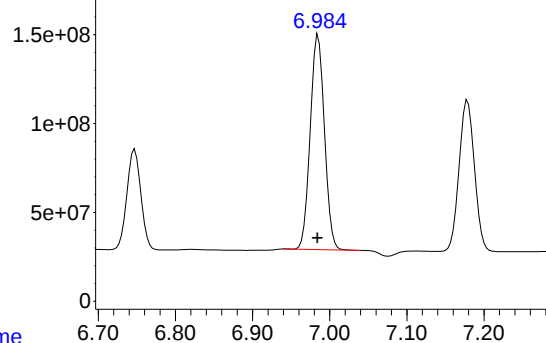
R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 208444632
Conc: 42.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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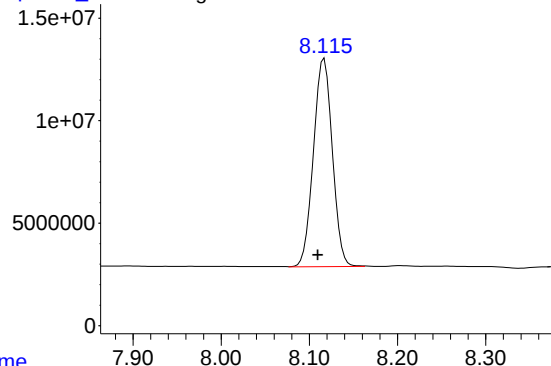
Time Response_ Signal: PD090387.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1543381830
Conc: 42.75 ng/ml

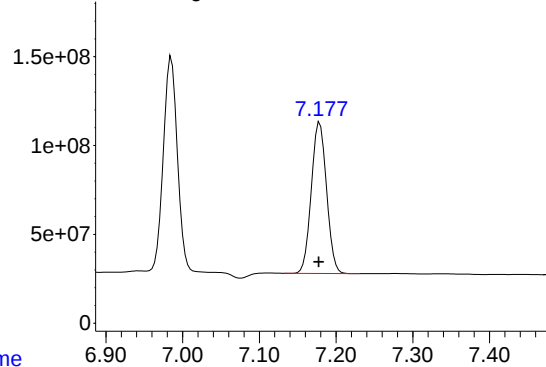
Time Response_ Signal: PD090387.D\ECD1A.ch



#22 Mirex

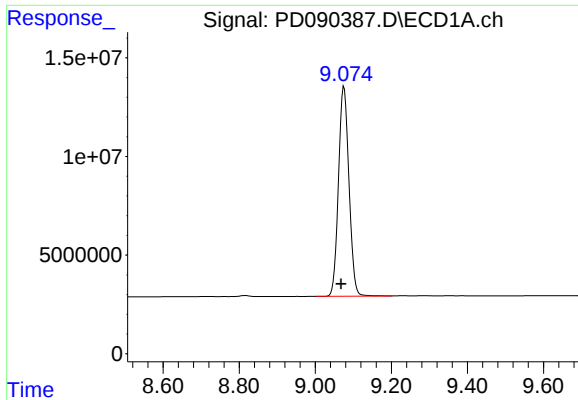
R.T.: 8.115 min
Delta R.T.: 0.006 min
Response: 151297930
Conc: 40.84 ng/ml m

Time Response_ Signal: PD090387.D\ECD2B.ch



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.001 min
Response: 1179325927
Conc: 42.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.008 min
Response: 203495445
Conc: 42.17 ng/ml

Instrument :

ECD_D

ClientSampleId :

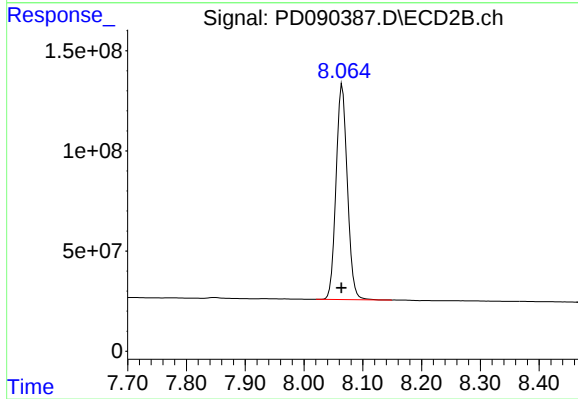
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.001 min
Response: 1432206104
Conc: 44.18 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/25/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 16:59

Initial Calibration Time(s): 10:30 11:24

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/25/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 16:59

Initial Calibration Time(s): 10:30

11:24

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.06	7.96	8.16	-0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.07	5.97	6.17	-0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.98	6.88	7.08	-0.01
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/25/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090396.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.601	6.801	45.110	50.000	-9.8
4,4'-DDE	6.199	6.092	6.292	44.650	50.000	-10.7
4,4'-DDT	7.024	6.917	7.117	44.380	50.000	-11.2
Aldrin	5.273	5.166	5.366	44.840	50.000	-10.3
alpha-BHC	4.002	3.895	4.095	45.840	50.000	-8.3
alpha-Chlordane	6.030	5.922	6.122	44.440	50.000	-11.1
beta-BHC	4.520	4.413	4.613	44.840	50.000	-10.3
Decachlorobiphenyl	9.076	8.968	9.168	43.150	50.000	-13.7
delta-BHC	4.766	4.661	4.861	46.680	50.000	-6.6
Dieldrin	6.350	6.243	6.443	44.710	50.000	-10.6
Endosulfan I	6.077	5.970	6.170	44.410	50.000	-11.2
Endosulfan II	6.789	6.682	6.882	45.640	50.000	-8.7
Endosulfan sulfate	7.153	7.046	7.246	43.930	50.000	-12.1
Endrin	6.577	6.469	6.669	44.460	50.000	-11.1
Endrin aldehyde	6.918	6.811	7.011	44.520	50.000	-11.0
Endrin ketone	7.634	7.527	7.727	44.350	50.000	-11.3
gamma-BHC (Lindane)	4.333	4.226	4.426	45.220	50.000	-9.6
gamma-Chlordane	5.949	5.842	6.042	44.930	50.000	-10.1
Heptachlor	4.932	4.825	5.025	45.460	50.000	-9.1
Heptachlor epoxide	5.693	5.586	5.786	44.310	50.000	-11.4
Methoxychlor	7.497	7.390	7.590	42.860	50.000	-14.3
Tetrachloro-m-xylene	3.552	3.446	3.646	43.000	50.000	-14.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/25/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090396.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.924	5.822	6.022	44.650	50.000	-10.7
4,4'-DDE	5.369	5.268	5.468	44.360	50.000	-11.3
4,4'-DDT	6.178	6.076	6.276	44.430	50.000	-11.1
Aldrin	4.363	4.262	4.462	44.400	50.000	-11.2
alpha-BHC	3.388	3.288	3.488	44.240	50.000	-11.5
alpha-Chlordane	5.185	5.083	5.283	44.320	50.000	-11.4
beta-BHC	4.021	3.920	4.120	49.250	50.000	-1.5
Decachlorobiphenyl	8.066	7.964	8.164	44.310	50.000	-11.4
delta-BHC	4.257	4.156	4.356	44.650	50.000	-10.7
Dieldrin	5.508	5.406	5.606	44.570	50.000	-10.9
Endosulfan I	5.242	5.140	5.340	44.090	50.000	-11.8
Endosulfan II	6.076	5.973	6.173	44.400	50.000	-11.2
Endosulfan sulfate	6.477	6.375	6.575	43.990	50.000	-12.0
Endrin	5.784	5.682	5.882	43.850	50.000	-12.3
Endrin aldehyde	6.254	6.152	6.352	44.550	50.000	-10.9
Endrin ketone	6.987	6.884	7.084	43.810	50.000	-12.4
gamma-BHC (Lindane)	3.725	3.624	3.824	44.300	50.000	-11.4
gamma-Chlordane	5.120	5.018	5.218	44.300	50.000	-11.4
Heptachlor	4.078	3.976	4.176	45.470	50.000	-9.1
Heptachlor epoxide	4.867	4.766	4.966	43.880	50.000	-12.2
Methoxychlor	6.749	6.646	6.846	43.820	50.000	-12.4
Tetrachloro-m-xylene	2.875	2.776	2.976	43.420	50.000	-13.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
 Data File : PD090396.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Sep 2025 16:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 26 05:45:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.875	139.8E6	1191.8E6	42.996	43.416
28)	SA Decachlor...	9.076	8.066	208.2E6	1436.5E6	43.155	44.315
Target Compounds							
2)	A alpha-BHC	4.002	3.388	320.1E6	1936.9E6	45.836	44.239
3)	MA gamma-BHC...	4.333	3.725	299.2E6	1804.4E6	45.221	44.296
4)	MA Heptachlor	4.932	4.078	300.6E6	1851.5E6	45.460	45.474
5)	MB Aldrin	5.273	4.363	284.7E6	1773.1E6	44.841	44.400
6)	B beta-BHC	4.520	4.021	115.7E6	853.8E6	44.844	49.255
7)	B delta-BHC	4.766	4.257	301.5E6	1843.9E6	46.683m	44.652
8)	B Heptachlo...	5.693	4.867	253.2E6	1617.7E6	44.308	43.882
9)	A Endosulfan I	6.077	5.242	239.9E6	1525.8E6	44.409	44.093
10)	B gamma-Chl...	5.949	5.120	256.6E6	1740.3E6	44.925	44.299
11)	B alpha-Chl...	6.030	5.185	256.0E6	1669.2E6	44.440	44.318
12)	B 4,4'-DDE	6.199	5.369	232.5E6	1698.2E6	44.653	44.364
13)	MA Dieldrin	6.350	5.508	257.7E6	1735.7E6	44.712	44.566
14)	MA Endrin	6.577	5.784	217.6E6	1571.1E6	44.464	43.847
15)	B Endosulfa...	6.789	6.076	222.6E6	1498.4E6	45.637	44.395
16)	A 4,4'-DDD	6.708	5.924	184.9E6	1447.7E6	45.110	44.645
17)	MA 4,4'-DDT	7.024	6.178	197.6E6	1527.4E6	44.385	44.427
18)	B Endrin al...	6.918	6.254	152.7E6	1049.0E6	44.515	44.549
19)	B Endosulfa...	7.153	6.477	202.1E6	1437.9E6	43.934	43.986
20)	A Methoxychlor	7.497	6.749	101.0E6	762.5E6	42.856	43.822
21)	B Endrin ke...	7.634	6.987	219.4E6	1581.8E6	44.352	43.814
22)	Mirex	8.116	7.180	159.4E6	1185.3E6	43.014	42.936

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 16:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

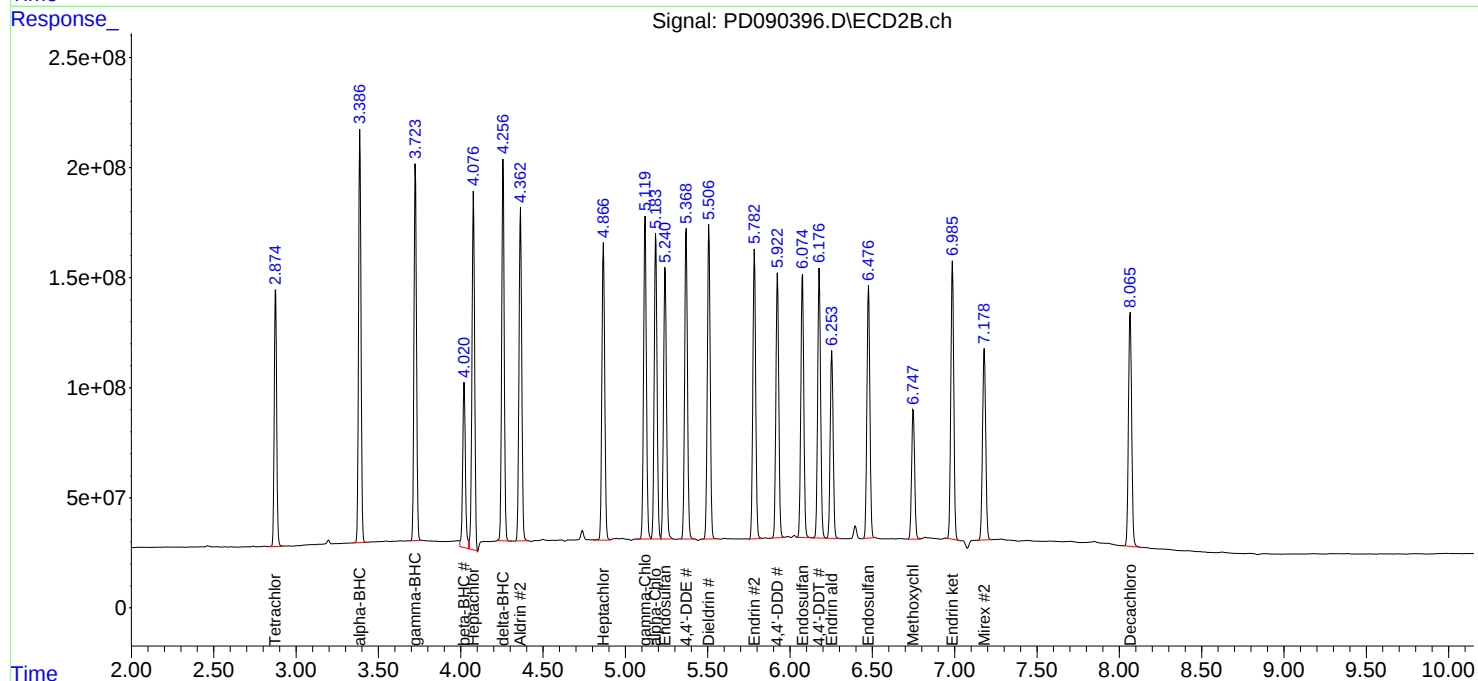
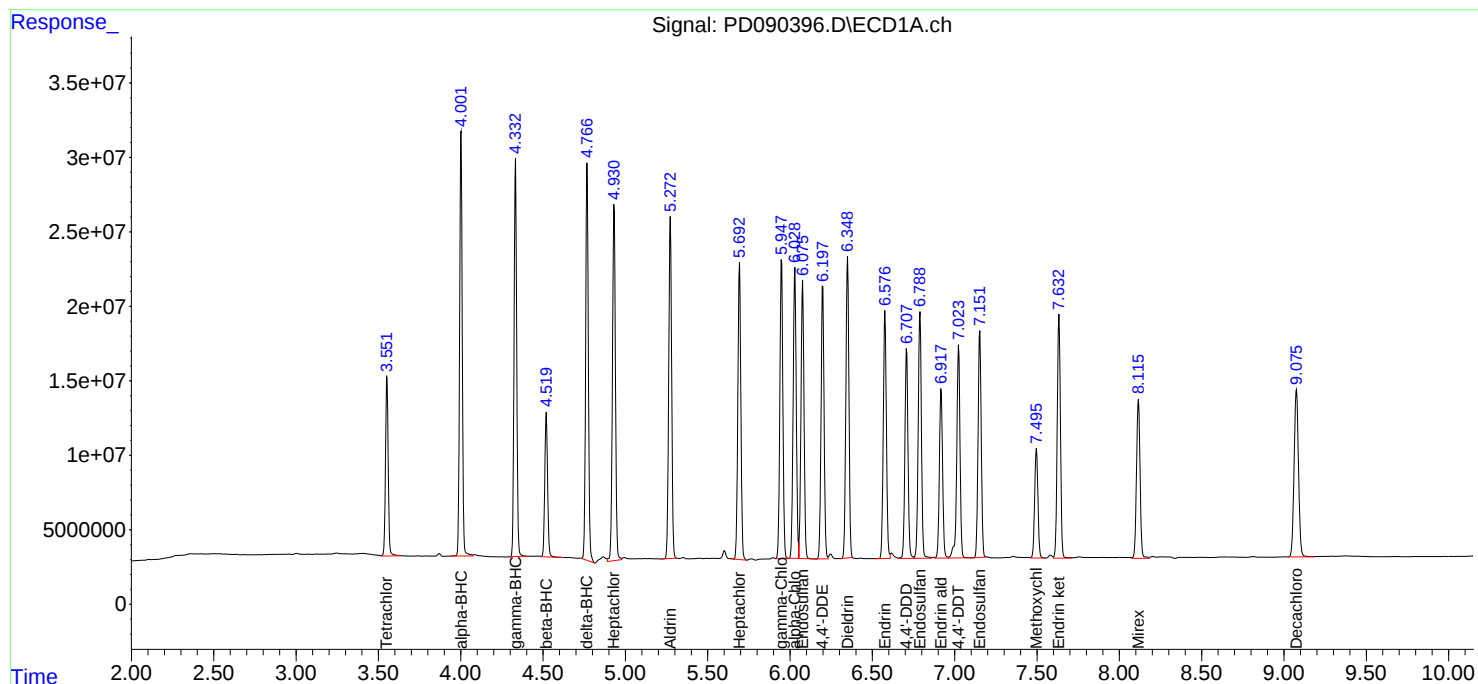
Manual Integrations

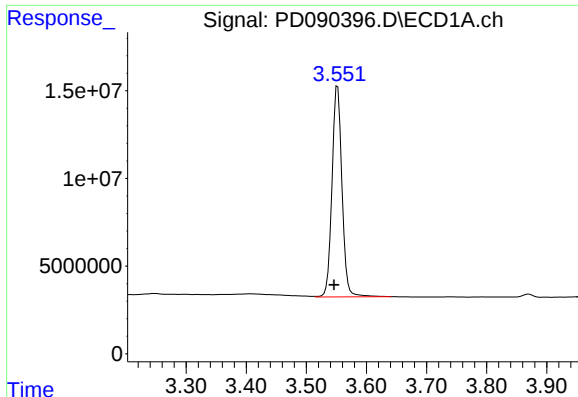
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 139755818
Conc: 43.00 ng/ml

Instrument :

ECD_D

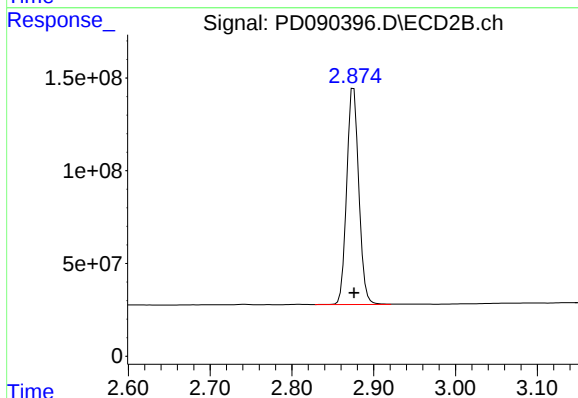
ClientSampleId :

PSTDCCC050

Manual Integrations

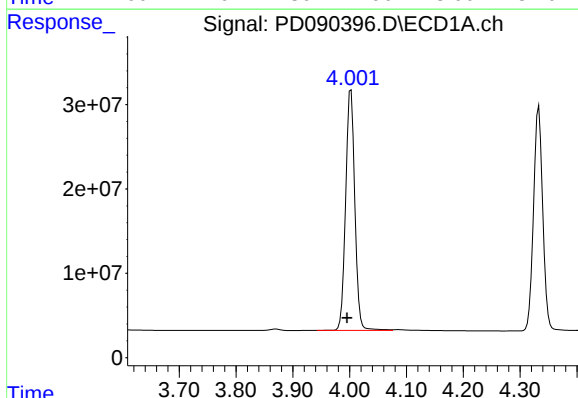
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



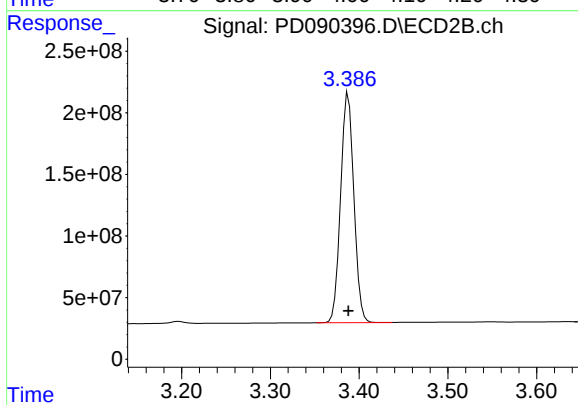
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1191780505
Conc: 43.42 ng/ml



#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 320143082
Conc: 45.84 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1936924716
Conc: 44.24 ng/ml

Response_ Signal: PD090396.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 299223422
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090396.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1804401318
Conc: 44.30 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.007 min
Response: 300610469
Conc: 45.46 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.007 min
Response: 300610469
Conc: 45.46 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

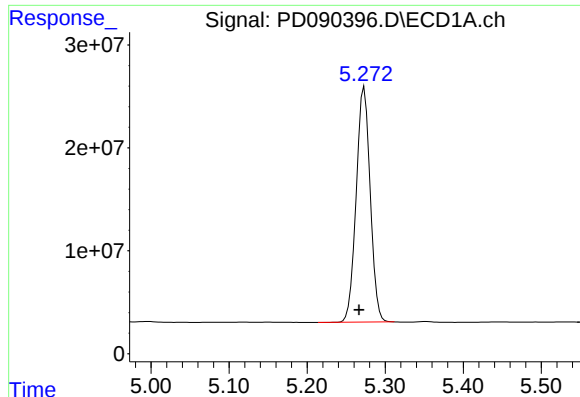
#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.001 min
Response: 1851541393
Conc: 45.47 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#4 Heptachlor



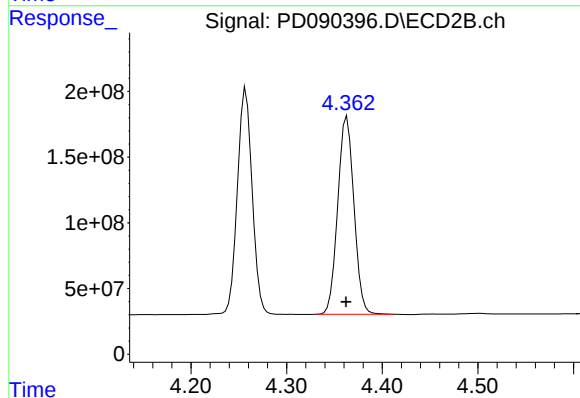
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 284738311
Conc: 44.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

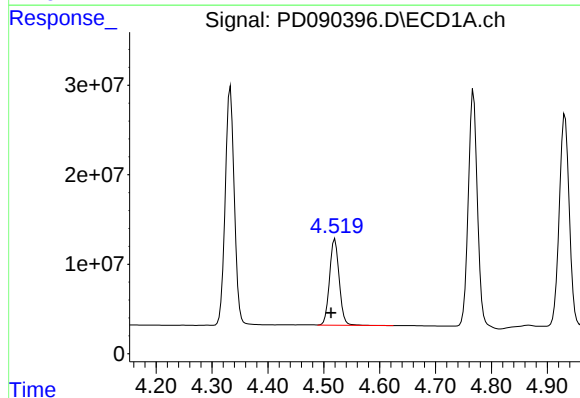
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



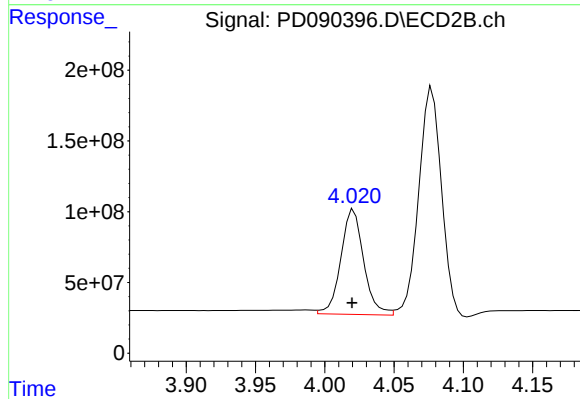
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.001 min
Response: 1773095573
Conc: 44.40 ng/ml



#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 115694597
Conc: 44.84 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.001 min
Response: 853843447
Conc: 49.25 ng/ml

Response_ Signal: PD090396.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.005 min
Response: 301452969
Conc: 46.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090396.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.001 min
Response: 1843887463
Conc: 44.65 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.007 min
Response: 253218815
Conc: 44.31 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.001 min
Response: 1617698493
Conc: 43.88 ng/ml

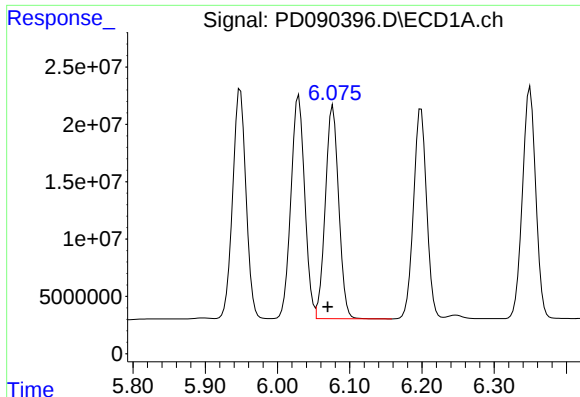
Time

Response_ Signal: PD090396.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.001 min
Response: 1617698493
Conc: 43.88 ng/ml

Time



#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.007 min
Response: 239873429
Conc: 44.41 ng/ml

Instrument :

ECD_D

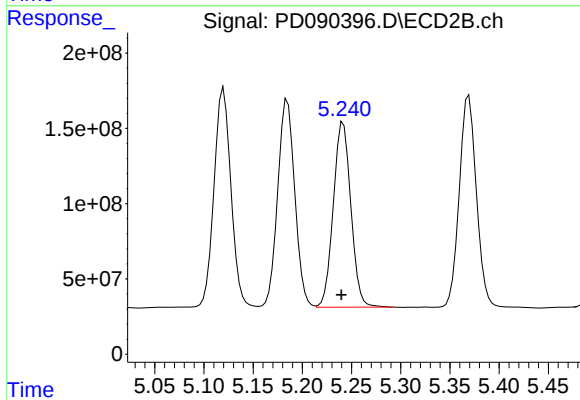
ClientSampleId :

PSTDCCC050

Manual Integrations

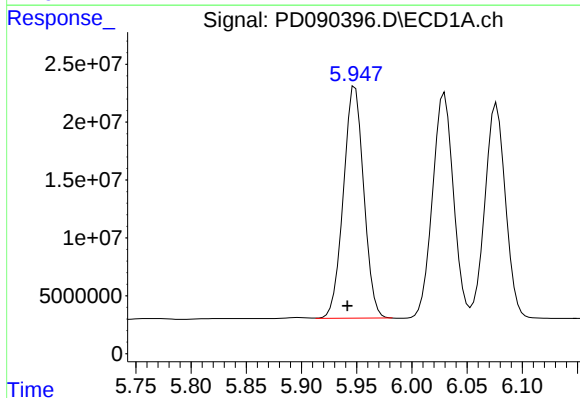
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



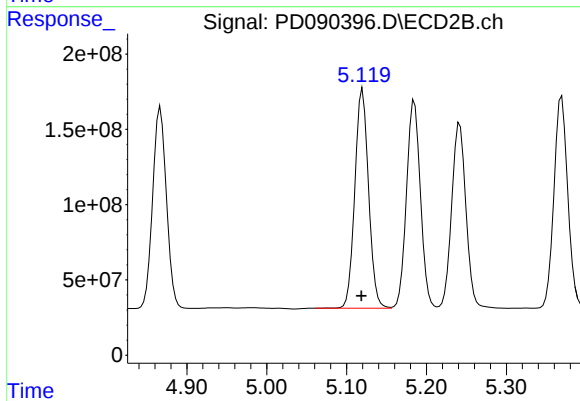
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.002 min
Response: 1525830012
Conc: 44.09 ng/ml



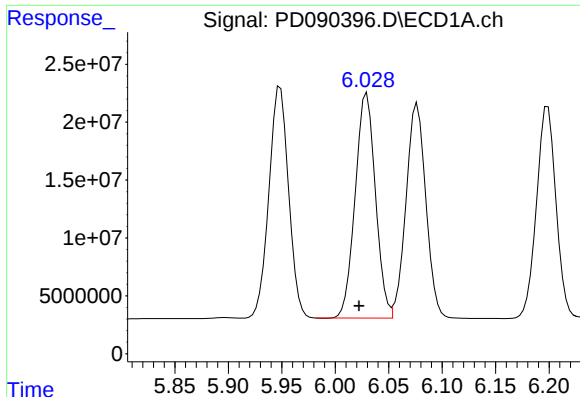
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.007 min
Response: 256611592
Conc: 44.93 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.002 min
Response: 1740344725
Conc: 44.30 ng/ml



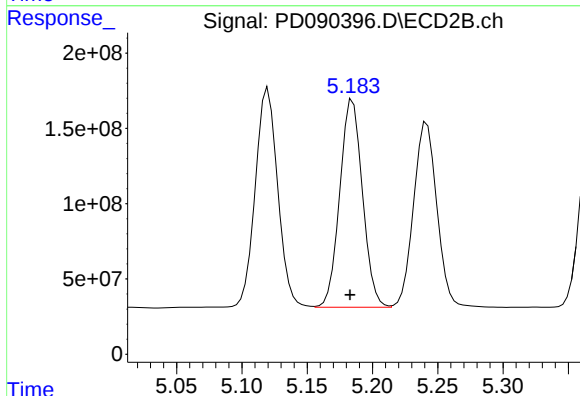
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 256012728
Conc: 44.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

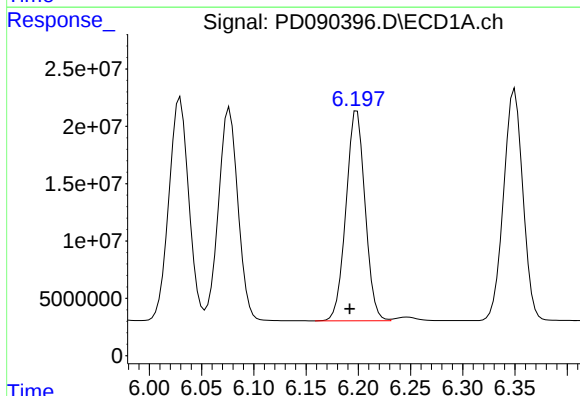
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



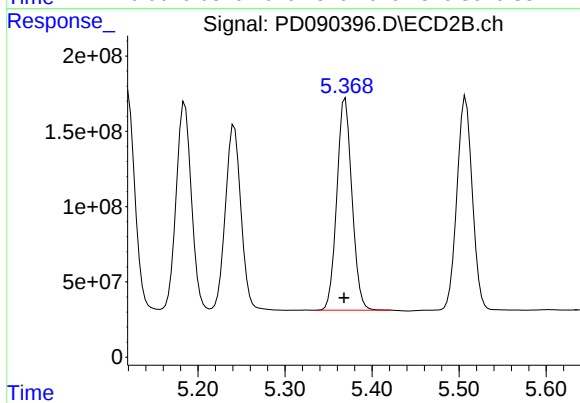
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.002 min
Response: 1669239605
Conc: 44.32 ng/ml



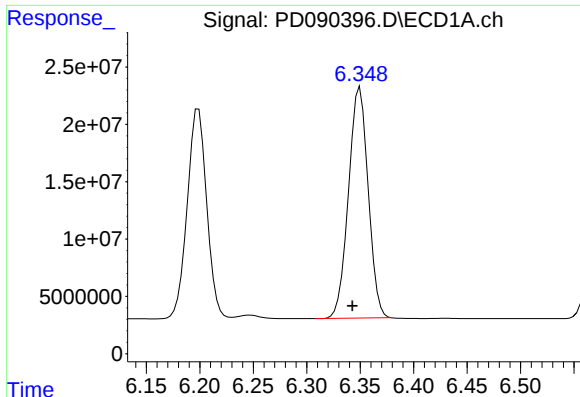
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.007 min
Response: 232528843
Conc: 44.65 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.002 min
Response: 1698221179
Conc: 44.36 ng/ml



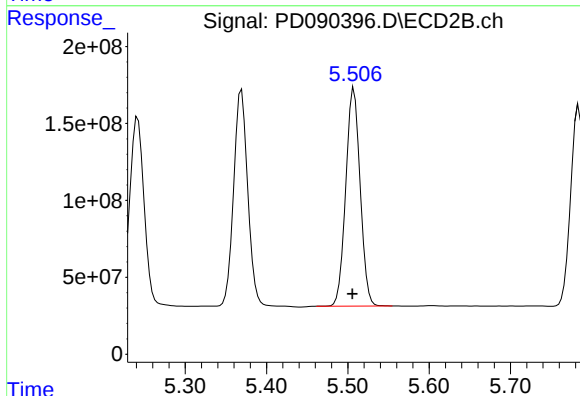
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 257748465
Conc: 44.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

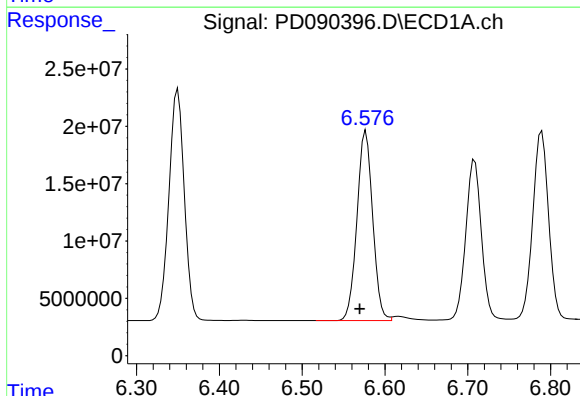
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



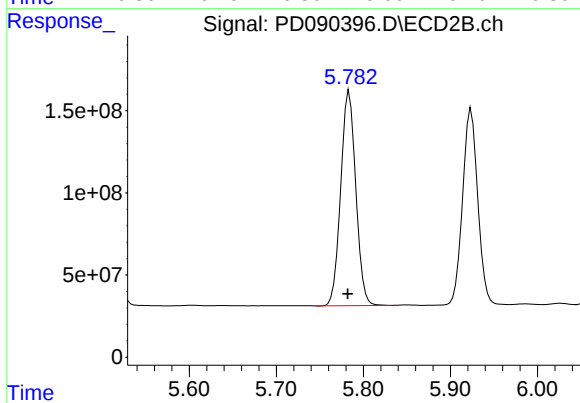
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.002 min
Response: 1735671139
Conc: 44.57 ng/ml



#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.008 min
Response: 217601815
Conc: 44.46 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.002 min
Response: 1571137860
Conc: 43.85 ng/ml

Response_ Signal: PD090396.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.008 min
Response: 222606868
Conc: 45.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090396.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.002 min
Response: 1498376703
Conc: 44.40 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.007 min
Response: 184854150
Conc: 45.11 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.002 min
Response: 1447741389
Conc: 44.65 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.007 min
Response: 197622217
Conc: 44.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090396.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.002 min
Response: 1527353016
Conc: 44.43 ng/ml

Response_ Signal: PD090396.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.007 min
Response: 152712934
Conc: 44.52 ng/ml

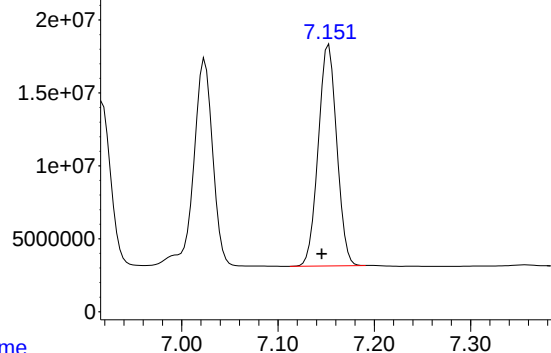
Response_ Signal: PD090396.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.003 min
Response: 1048994943
Conc: 44.55 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.007 min
Response: 202111783
Conc: 43.93 ng/ml

Instrument :

ECD_D

ClientSampleId :

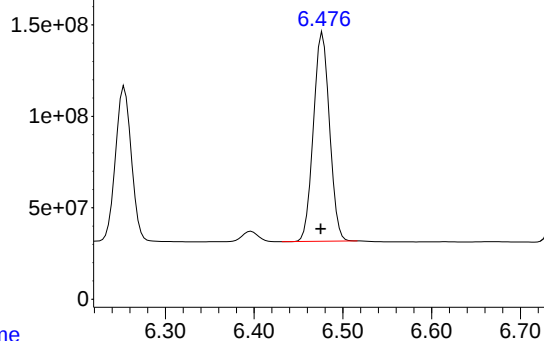
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

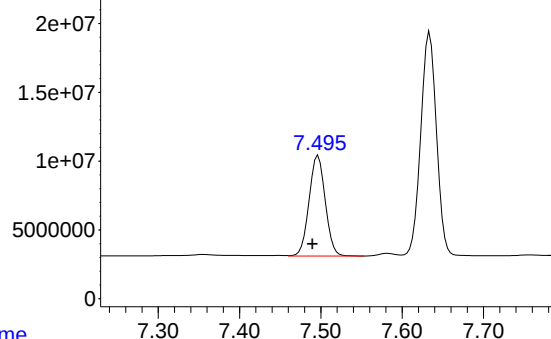
Time Response_ Signal: PD090396.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.002 min
Response: 1437934108
Conc: 43.99 ng/ml

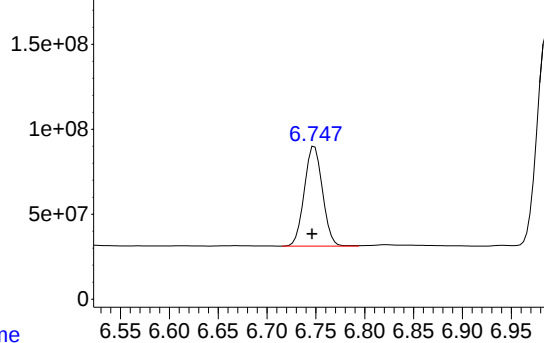
Time Response_ Signal: PD090396.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 100989957
Conc: 42.86 ng/ml

Time Response_ Signal: PD090396.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.003 min
Response: 762526594
Conc: 43.82 ng/ml

Response_ Signal: PD090396.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 219425198
Conc: 44.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090396.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.002 min
Response: 1581812931
Conc: 43.81 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.007 min
Response: 159361739
Conc: 43.01 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

Time

Response_ Signal: PD090396.D\ECD1A.ch

#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.003 min
Response: 1185299297
Conc: 42.94 ng/ml

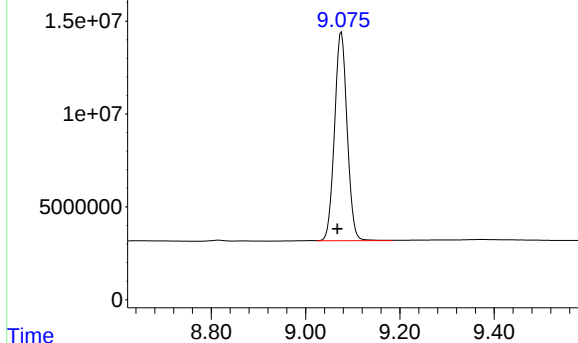
Time

Response_ Signal: PD090396.D\ECD2B.ch

#22 Mirex

Response_ Signal: PD090396.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.076 min
Delta R.T.: 0.008 min
Response: 208225022
Conc: 43.15 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

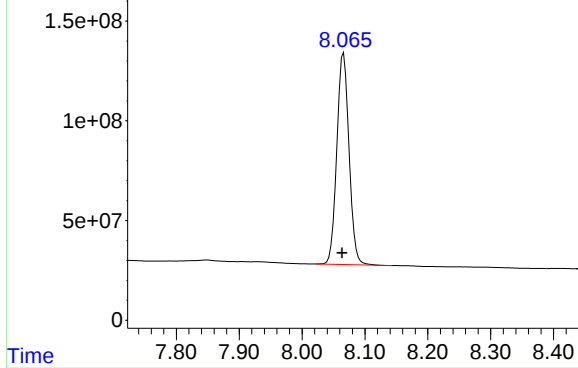
APPROVED

Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025

Time Response_ Signal: PD090396.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.066 min
Delta R.T.: 0.002 min
Response: 1436456618
Conc: 44.31 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/30/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 12:10

Initial Calibration Time(s): 17:06

18:00

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
alpha-BHC	3.97	3.98	3.88	4.08	0.01
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.74	4.64	4.84	0.01
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.75	6.65	6.85	0.01
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
Endosulfan sulfate	7.11	7.11	7.01	7.21	0.00
4,4'-DDT	6.98	6.98	6.88	7.08	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.59	7.59	7.49	7.69	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.99	5.89	6.09	0.01
gamma-Chlordane	5.90	5.91	5.81	6.01	0.01



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/30/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 12:10

Initial Calibration Time(s): 17:06

18:00

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.01
delta-BHC	4.19	4.19	4.09	4.29	0.00
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	6.00	5.90	6.10	0.01
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.01
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.00
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.11	5.11	5.01	5.21	0.00
gamma-Chlordane	5.04	5.05	4.95	5.15	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/30/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097436.D **Time Analyzed:** 12:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.663	6.566	6.766	53.850	50.000	7.7
4,4'-DDE	6.155	6.056	6.256	51.700	50.000	3.4
4,4'-DDT	6.976	6.880	7.080	47.290	50.000	-5.4
Aldrin	5.230	5.132	5.332	48.960	50.000	-2.1
alpha-BHC	3.972	3.875	4.075	49.380	50.000	-1.2
alpha-Chlordane	5.982	5.886	6.086	49.680	50.000	-0.6
beta-BHC	4.488	4.390	4.590	48.820	50.000	-2.4
Decachlorobiphenyl	8.999	8.902	9.102	46.720	50.000	-6.6
delta-BHC	4.731	4.635	4.835	50.270	50.000	0.5
Dieldrin	6.303	6.206	6.406	50.720	50.000	1.4
Endosulfan I	6.030	5.934	6.134	50.380	50.000	0.8
Endosulfan II	6.742	6.646	6.846	48.000	50.000	-4.0
Endosulfan sulfate	7.106	7.007	7.207	52.120	50.000	4.2
Endrin	6.529	6.432	6.632	51.350	50.000	2.7
Endrin aldehyde	6.871	6.774	6.974	57.080	50.000	14.2
Endrin ketone	7.585	7.487	7.687	53.020	50.000	6.0
gamma-BHC (Lindane)	4.300	4.202	4.402	48.880	50.000	-2.2
gamma-Chlordane	5.903	5.806	6.006	50.610	50.000	1.2
Heptachlor	4.891	4.793	4.993	47.330	50.000	-5.3
Heptachlor epoxide	5.648	5.552	5.752	50.030	50.000	0.1
Methoxychlor	7.451	7.352	7.552	46.190	50.000	-7.6
Tetrachloro-m-xylene	3.525	3.428	3.628	44.640	50.000	-10.7



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/30/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097436.D **Time Analyzed:** 12:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.848	5.750	5.950	49.370	50.000	-1.3
4,4'-DDE	5.296	5.197	5.397	48.520	50.000	-3.0
4,4'-DDT	6.101	6.002	6.202	43.580	50.000	-12.8
Aldrin	4.289	4.191	4.391	49.260	50.000	-1.5
alpha-BHC	3.327	3.229	3.429	49.600	50.000	-0.8
alpha-Chlordane	5.107	5.009	5.209	49.760	50.000	-0.5
beta-BHC	3.955	3.857	4.057	46.090	50.000	-7.8
Decachlorobiphenyl	7.983	7.884	8.084	43.030	50.000	-13.9
delta-BHC	4.187	4.090	4.290	48.040	50.000	-3.9
Dieldrin	5.425	5.328	5.528	49.560	50.000	-0.9
Endosulfan I	5.162	5.064	5.264	45.240	50.000	-9.5
Endosulfan II	5.993	5.895	6.095	49.370	50.000	-1.3
Endosulfan sulfate	6.395	6.296	6.496	48.580	50.000	-2.8
Endrin	5.702	5.603	5.803	57.650	50.000	15.3
Endrin aldehyde	6.171	6.073	6.273	48.260	50.000	-3.5
Endrin ketone	6.899	6.800	7.000	52.250	50.000	4.5
gamma-BHC (Lindane)	3.658	3.561	3.761	48.590	50.000	-2.8
gamma-Chlordane	5.043	4.945	5.145	49.280	50.000	-1.4
Heptachlor	4.006	3.909	4.109	47.140	50.000	-5.7
Heptachlor epoxide	4.791	4.693	4.893	49.480	50.000	-1.0
Methoxychlor	6.673	6.574	6.774	42.560	50.000	-14.9
Tetrachloro-m-xylene	2.822	2.724	2.924	43.900	50.000	-12.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 12:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:42:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	202.1E6	288.7E6	44.638	43.900
28)	SA Decachlor...	8.999	7.983	152.9E6	244.9E6	46.716	43.028
Target Compounds							
2)	A alpha-BHC	3.972	3.327	345.0E6	493.9E6	49.379	49.601
3)	MA gamma-BHC...	4.300	3.658	323.2E6	452.6E6	48.875	48.588
4)	MA Heptachlor	4.891	4.006	315.7E6	438.7E6	47.326	47.143
5)	MB Aldrin	5.230	4.289	310.1E6	427.5E6	48.956	49.259
6)	B beta-BHC	4.488	3.955	133.1E6	187.2E6	48.821	46.092
7)	B delta-BHC	4.731	4.187	305.1E6	441.6E6	50.272m	48.042
8)	B Heptachlo...	5.648	4.791	287.5E6	392.4E6	50.031m	49.475
9)	A Endosulfan I	6.030	5.162	261.0E6	347.6E6	50.380m	45.244
10)	B gamma-Chl...	5.903	5.043	286.1E6	430.4E6	50.611m	49.280
11)	B alpha-Chl...	5.982	5.107	282.2E6	413.0E6	49.681m	49.762
12)	B 4,4'-DDE	6.155	5.296	246.3E6	372.9E6	51.696	48.523
13)	MA Dieldrin	6.303	5.425	278.1E6	405.3E6	50.720	49.562m
14)	MA Endrin	6.529	5.702	236.9E6	432.9E6	51.347m	57.646
15)	B Endosulfa...	6.742	5.993	236.1E6	351.0E6	48.000m	49.372
16)	A 4,4'-DDD	6.663	5.848	203.1E6	318.4E6	53.853m	49.372
17)	MA 4,4'-DDT	6.976	6.101	199.9E6	301.6E6	47.293m	43.582
18)	B Endrin al...	6.871	6.171	176.0E6	257.6E6	57.078m	48.265
19)	B Endosulfa...	7.106	6.395	212.8E6	332.8E6	52.116	48.584
20)	A Methoxychlor	7.451	6.673	96328865	160.4E6	46.193	42.557
21)	B Endrin ke...	7.585	6.899	225.0E6	393.4E6	53.016	52.249
22)	Mirex	8.063	7.088	160.2E6	260.5E6	45.129	43.570

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 12:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

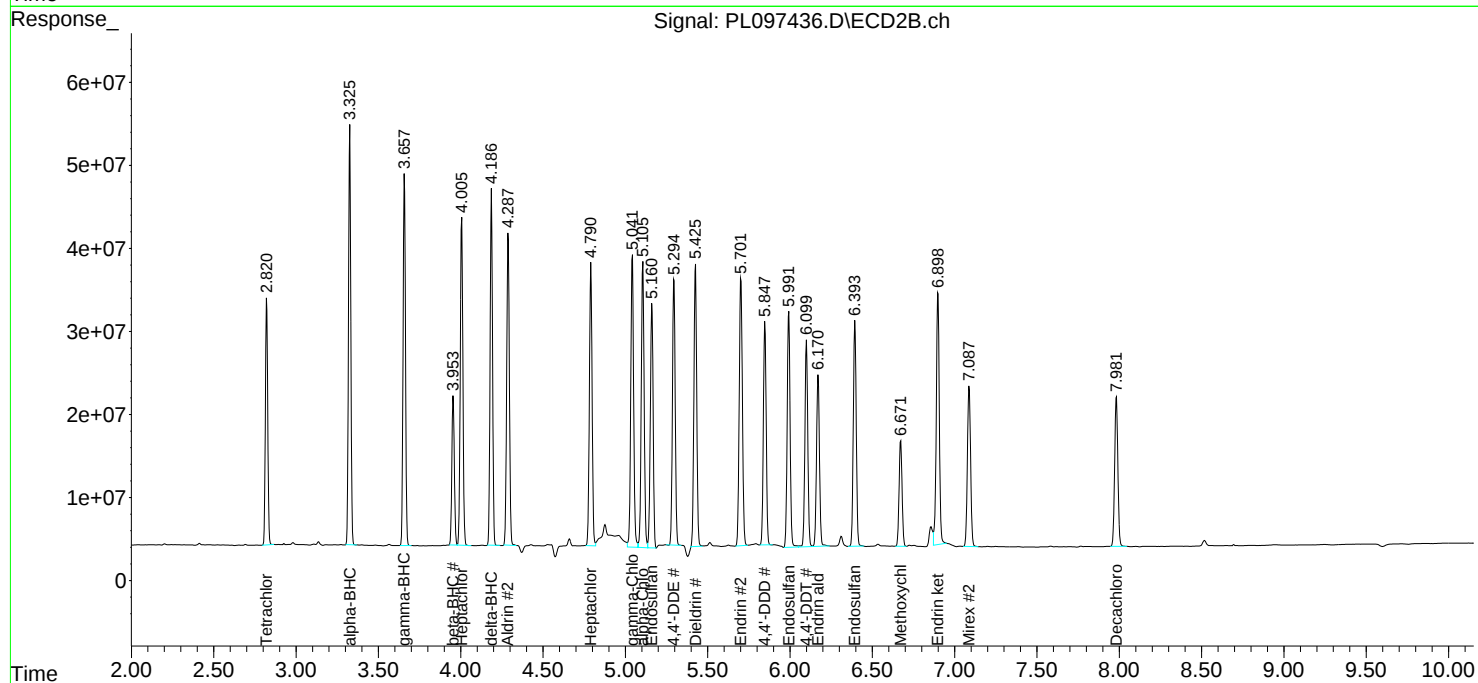
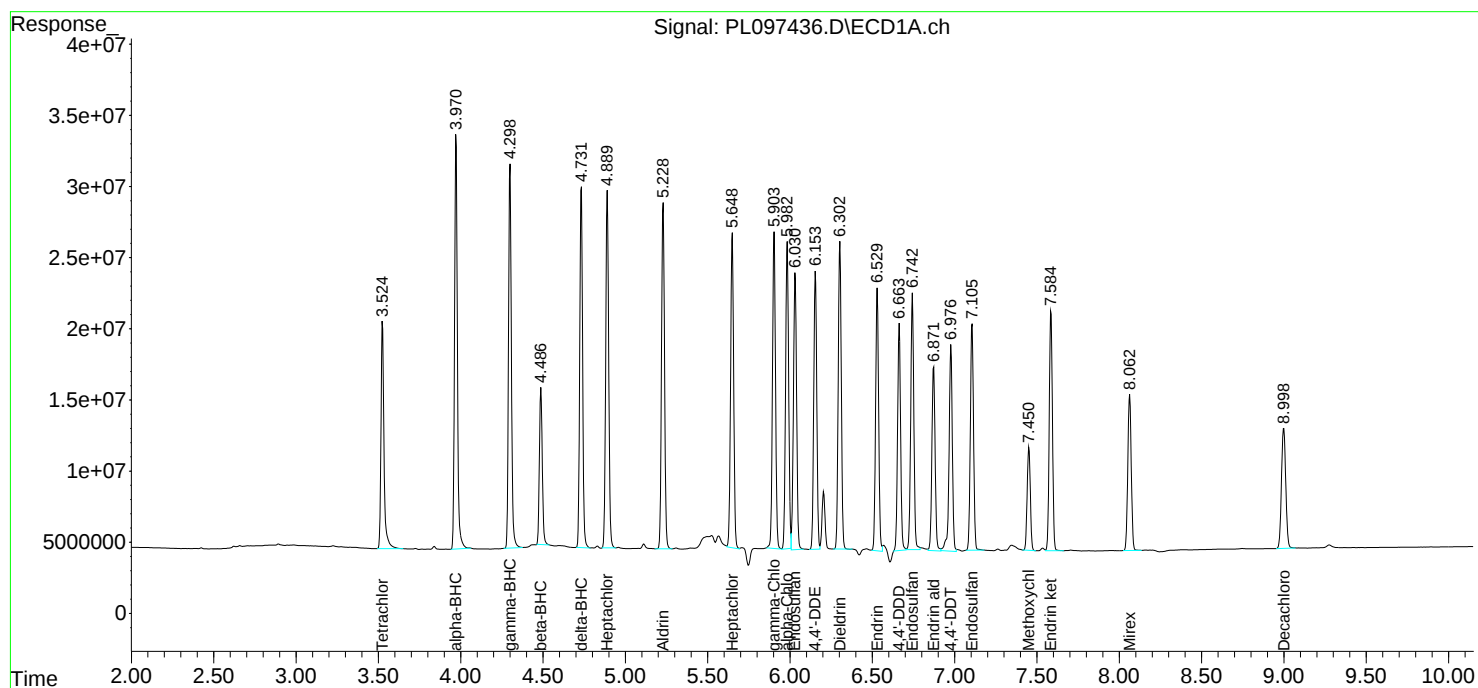
APPROVED

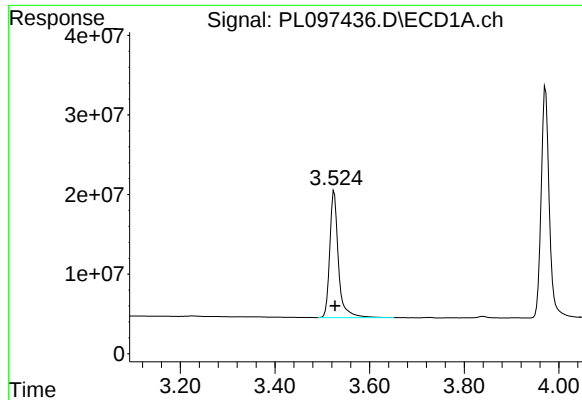
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:42:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





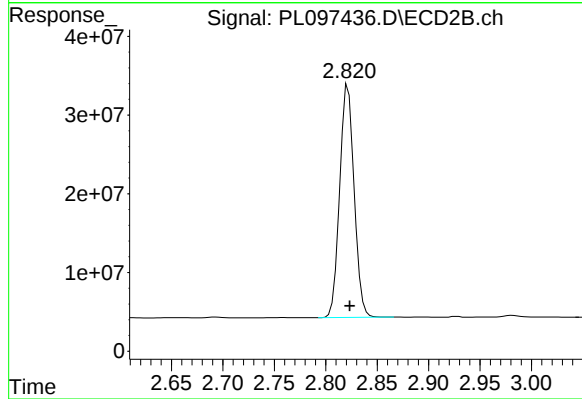
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 202081872
Conc: 44.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

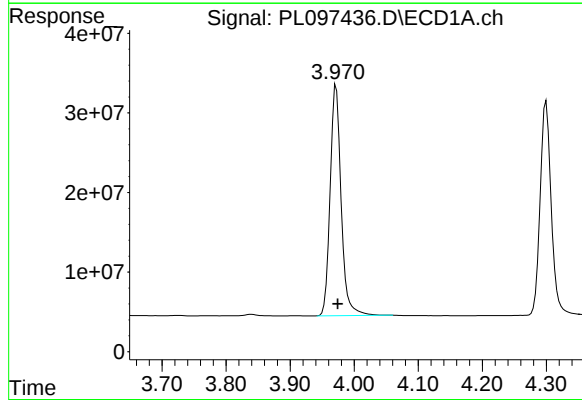
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



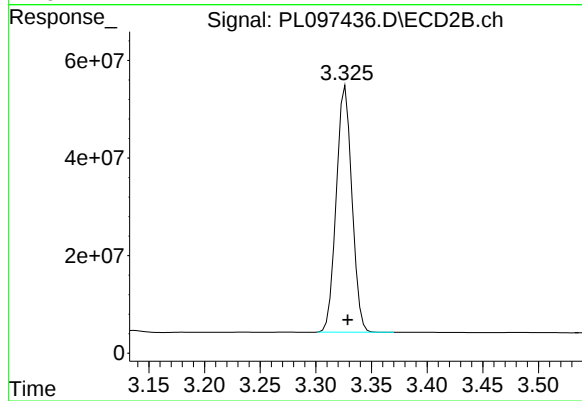
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.002 min
Response: 288669336
Conc: 43.90 ng/ml



#2 alpha-BHC

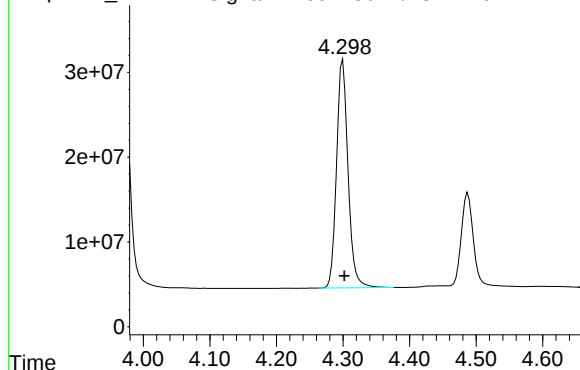
R.T.: 3.972 min
Delta R.T.: -0.002 min
Response: 345033450
Conc: 49.38 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.002 min
Response: 493907165
Conc: 49.60 ng/ml

Response_ Signal: PL097436.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.002 min
Response: 323218852
Conc: 48.88 ng/ml

Instrument :

ECD_L

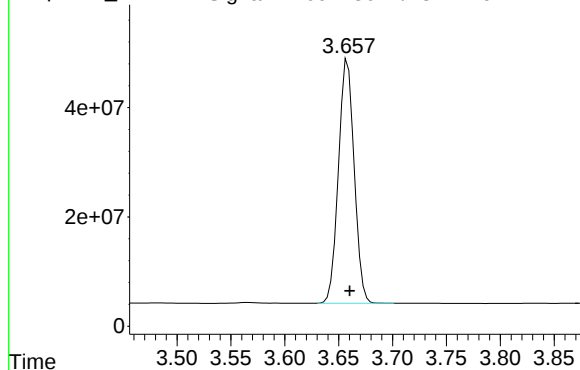
ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025

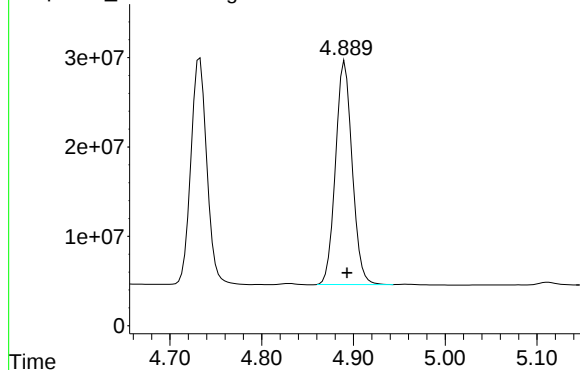
Response_ Signal: PL097436.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 452577669
Conc: 48.59 ng/ml

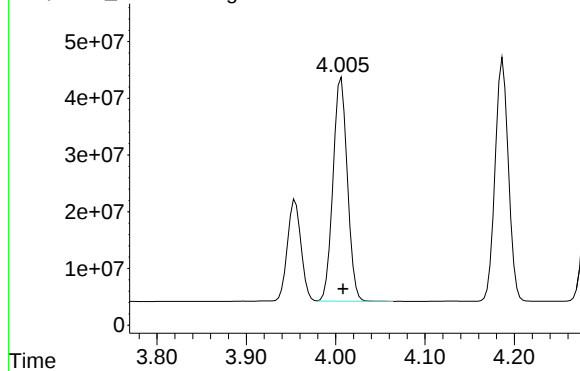
Response_ Signal: PL097436.D\ECD1A.ch



#4 Heptachlor

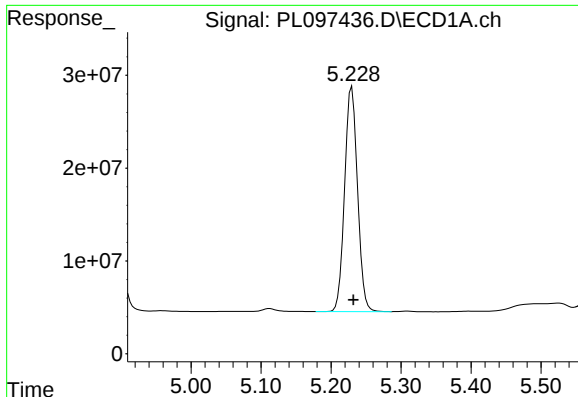
R.T.: 4.891 min
Delta R.T.: -0.003 min
Response: 315666768
Conc: 47.33 ng/ml

Response_ Signal: PL097436.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 438671012
Conc: 47.14 ng/ml



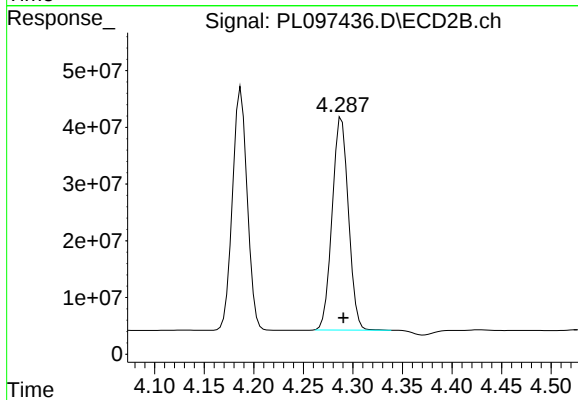
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 310082338
Conc: 48.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

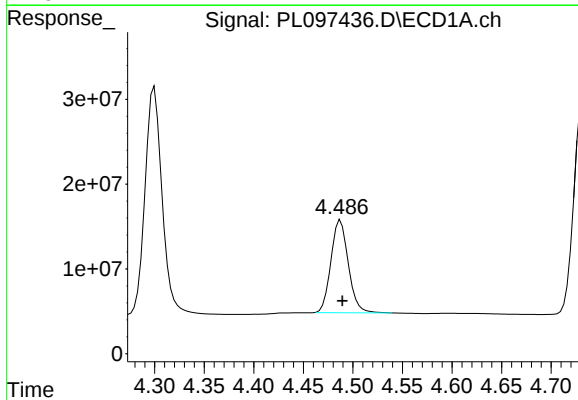
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



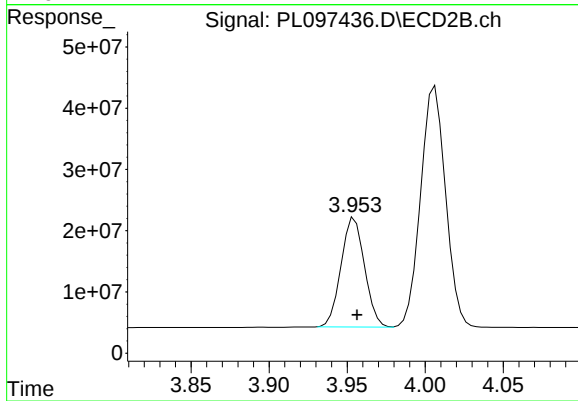
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.002 min
Response: 427537126
Conc: 49.26 ng/ml



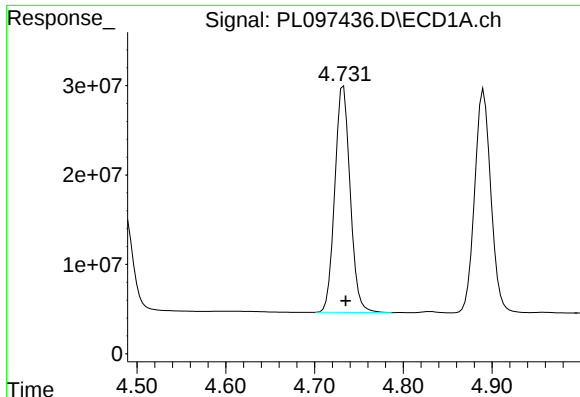
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.002 min
Response: 133093867
Conc: 48.82 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.002 min
Response: 187226125
Conc: 46.09 ng/ml



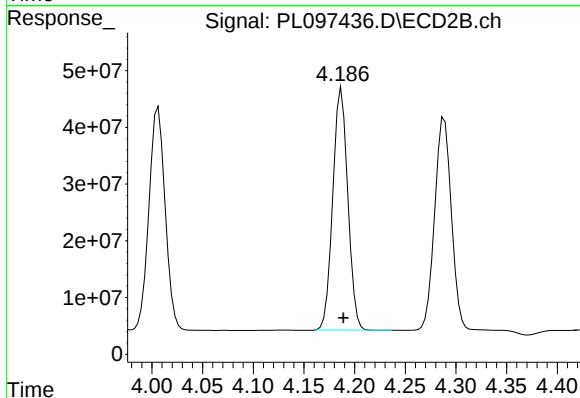
#7 delta-BHC

R.T.: 4.731 min
Delta R.T.: -0.004 min
Response: 305064792
Conc: 50.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

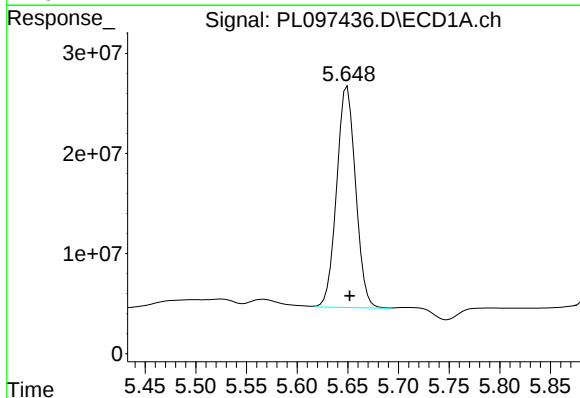
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



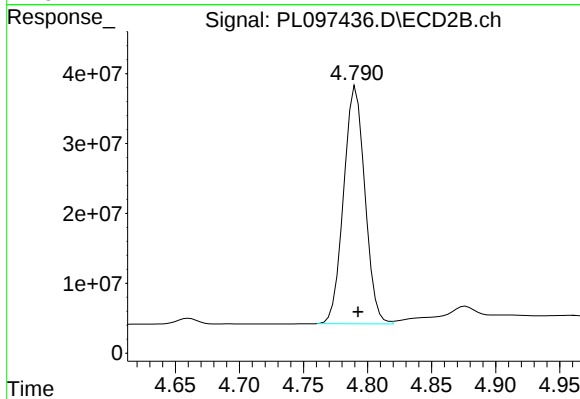
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: -0.002 min
Response: 441610780
Conc: 48.04 ng/ml



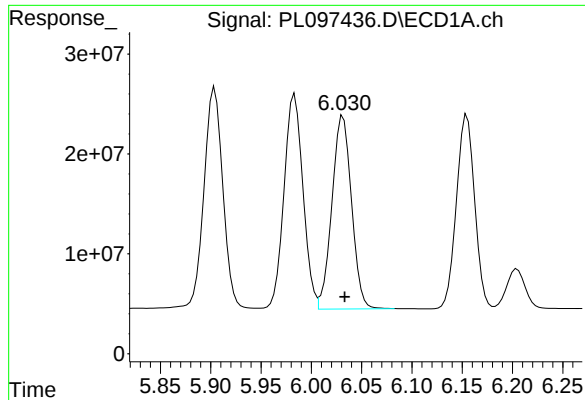
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.004 min
Response: 287528450
Conc: 50.03 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.002 min
Response: 392414122
Conc: 49.48 ng/ml



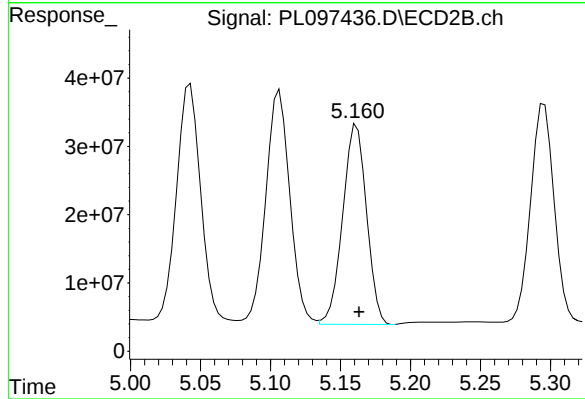
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: -0.003 min
Response: 261036037
Conc: 50.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

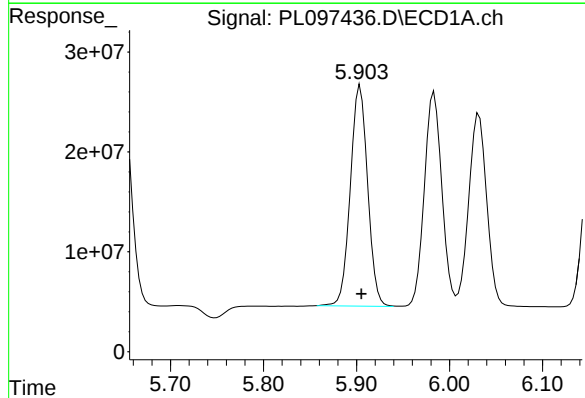
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



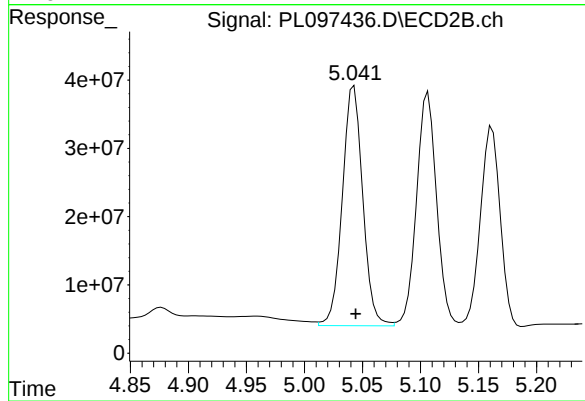
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.001 min
Response: 347635776
Conc: 45.24 ng/ml



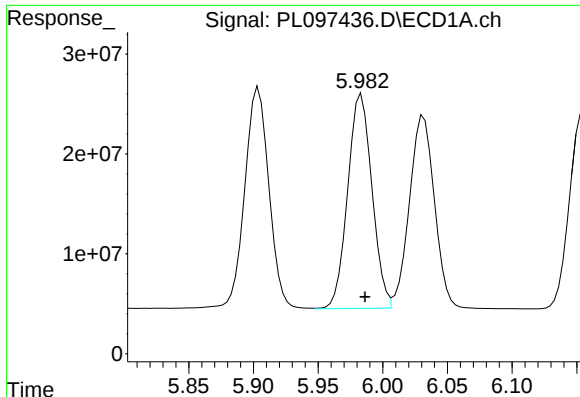
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.003 min
Response: 286132176
Conc: 50.61 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 430401357
Conc: 49.28 ng/ml



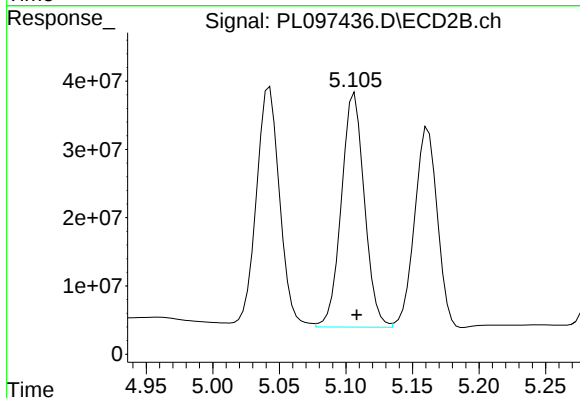
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: -0.004 min
Response: 282184947
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

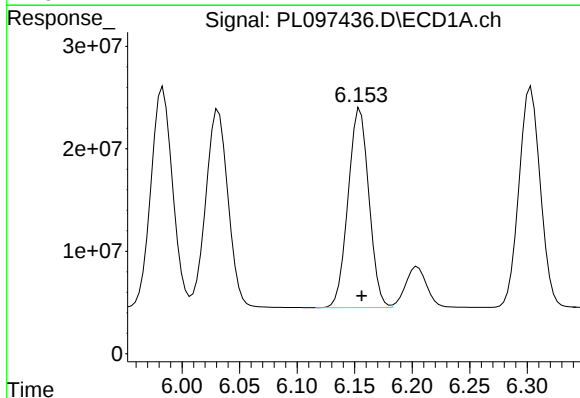
Manual Integrations
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Supervised By :Sohil Jodhani 10/02/2025



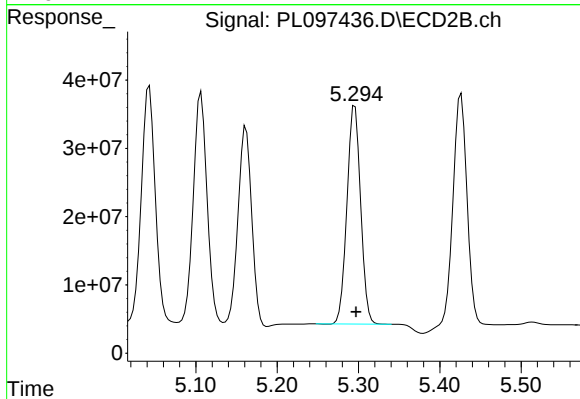
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.002 min
Response: 413049094
Conc: 49.76 ng/ml



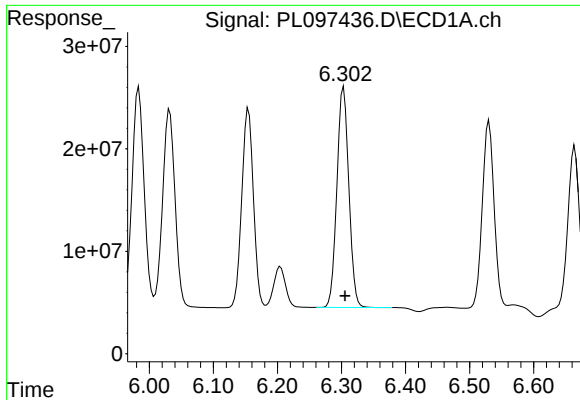
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.001 min
Response: 246318728
Conc: 51.70 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.001 min
Response: 372882289
Conc: 48.52 ng/ml



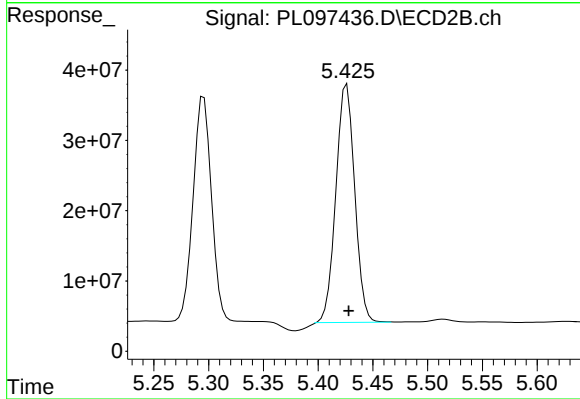
#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.002 min
Response: 278056152
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

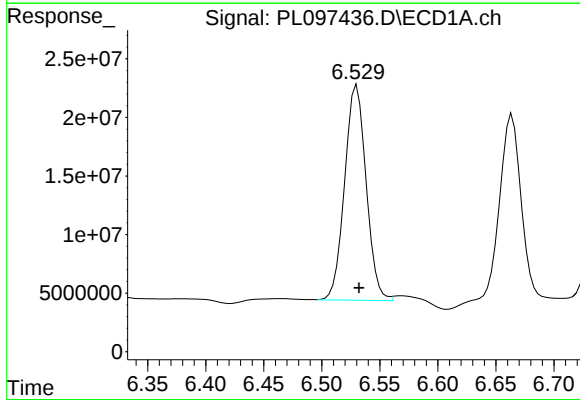
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



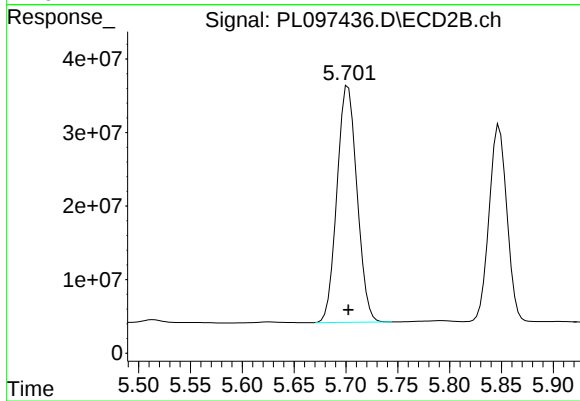
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.003 min
Response: 405256194
Conc: 49.56 ng/ml m



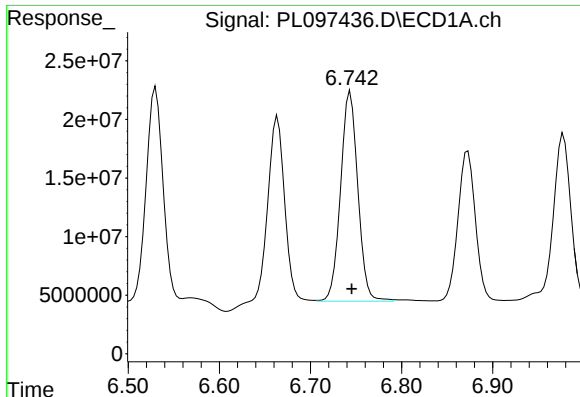
#14 Endrin

R.T.: 6.529 min
Delta R.T.: -0.003 min
Response: 236868796
Conc: 51.35 ng/ml m



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 432949923
Conc: 57.65 ng/ml



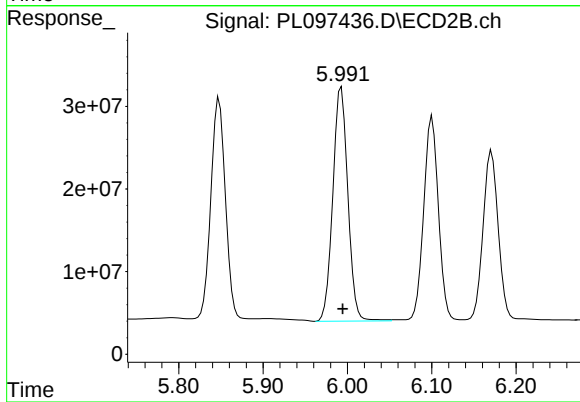
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 236081067
Conc: 48.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

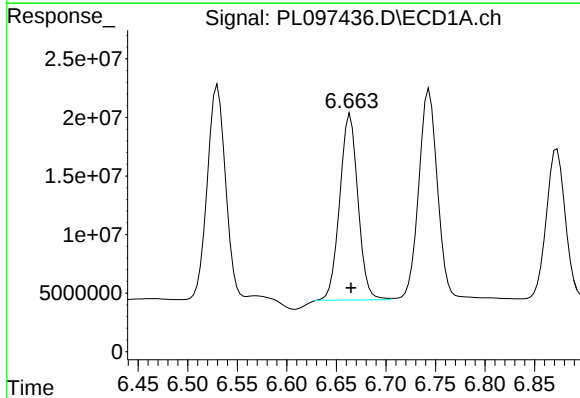
Manual Integrations
APPROVED

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Supervised By :Sohil Jodhani 10/02/2025



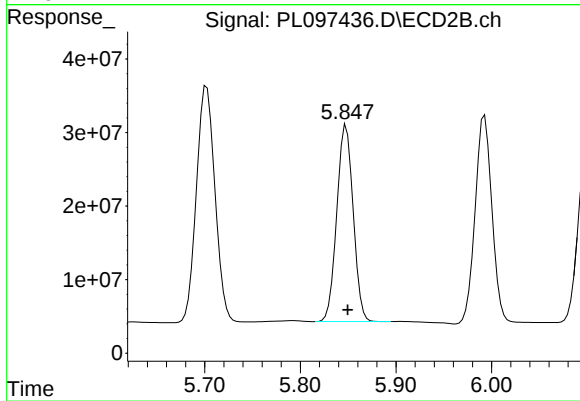
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.001 min
Response: 350999534
Conc: 49.37 ng/ml



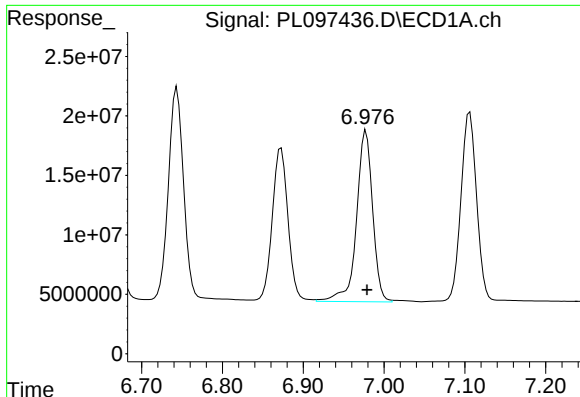
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 203055761
Conc: 53.85 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 318407147
Conc: 49.37 ng/ml



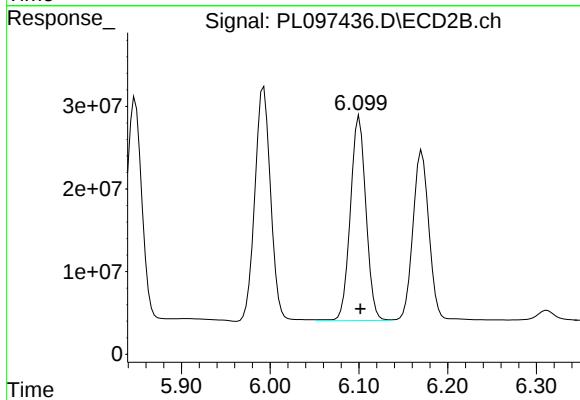
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 199918650
Conc: 47.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

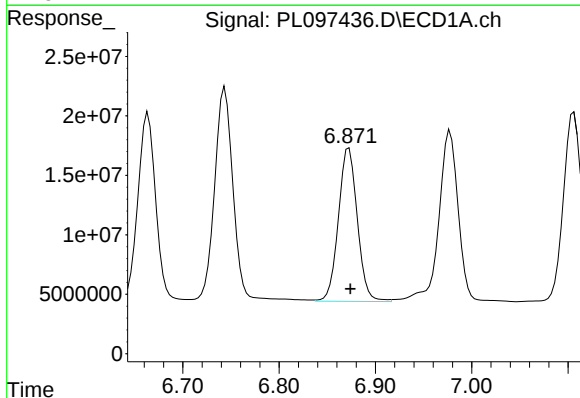
Manual Integrations
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Supervised By :Sohil Jodhani 10/02/2025



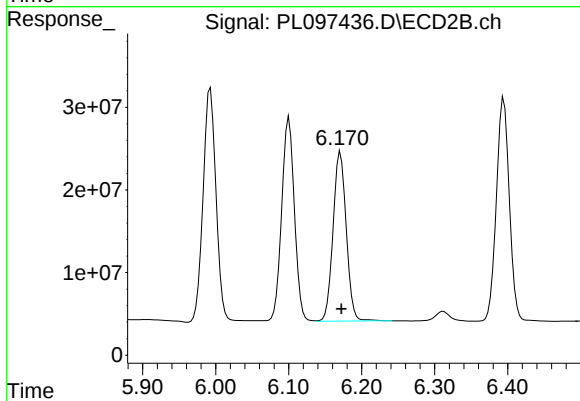
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.001 min
Response: 301609514
Conc: 43.58 ng/ml



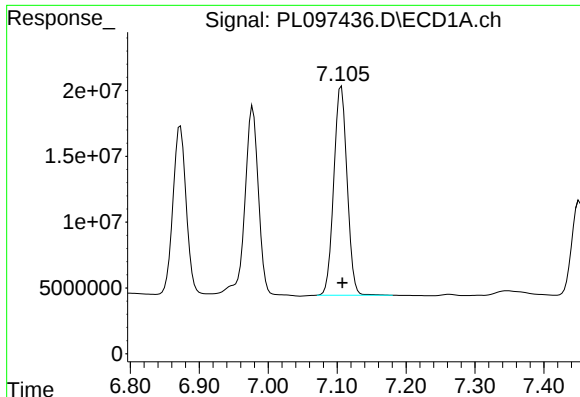
#18 Endrin aldehyde

R.T.: 6.871 min
Delta R.T.: -0.003 min
Response: 175960604
Conc: 57.08 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 257607652
Conc: 48.26 ng/ml



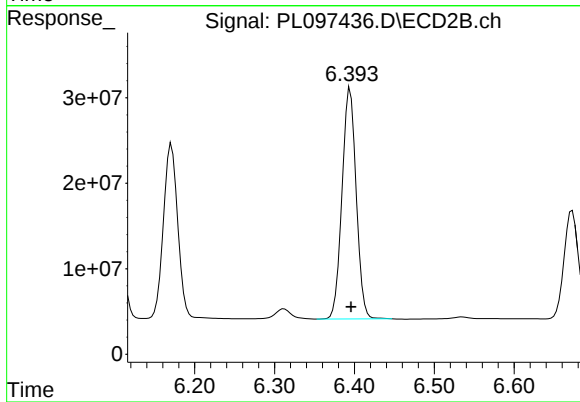
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 212775371
Conc: 52.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

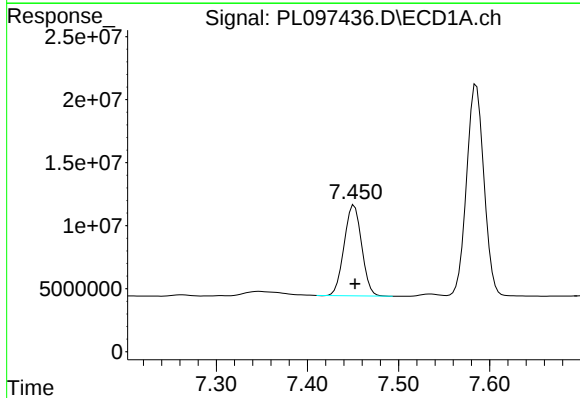
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



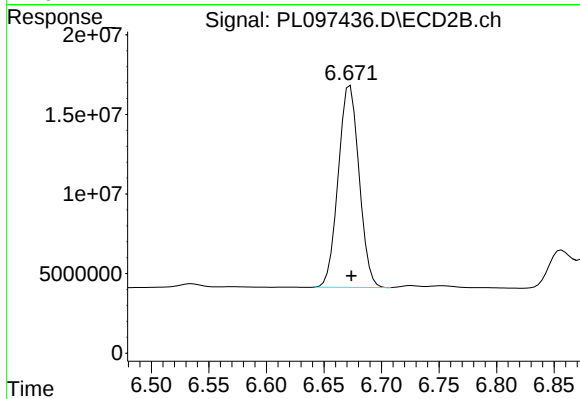
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: -0.001 min
Response: 332788569
Conc: 48.58 ng/ml



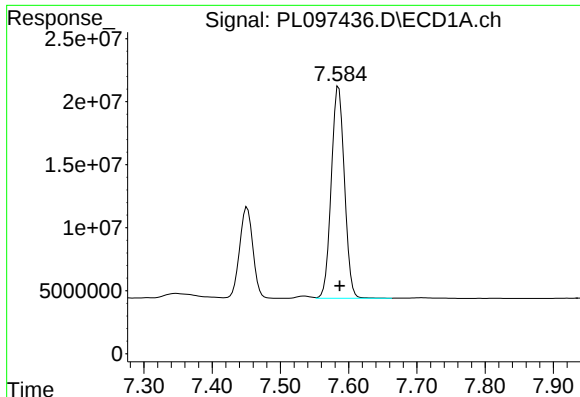
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: 0.000 min
Response: 96328865
Conc: 46.19 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.001 min
Response: 160418890
Conc: 42.56 ng/ml



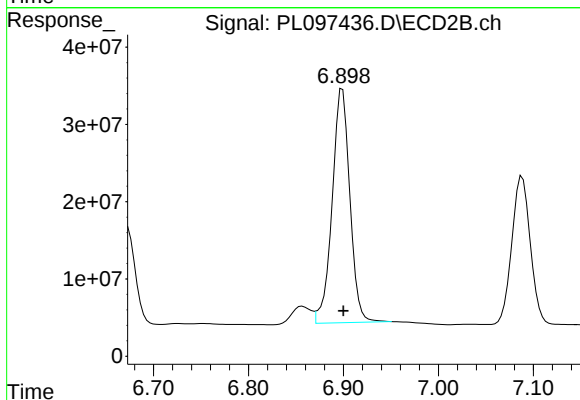
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.002 min
Response: 225019193
Conc: 53.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

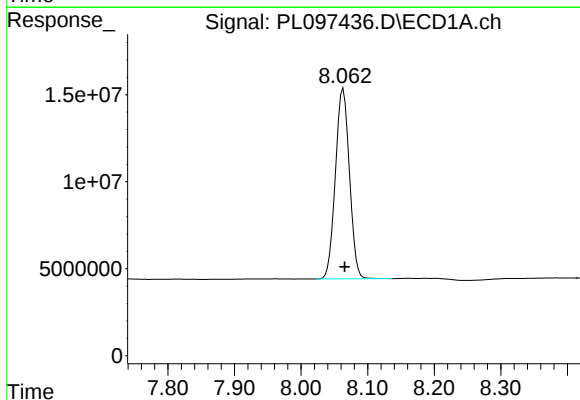
Manual Integrations
APPROVED

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Supervised By :Sohil Jodhani 10/02/2025



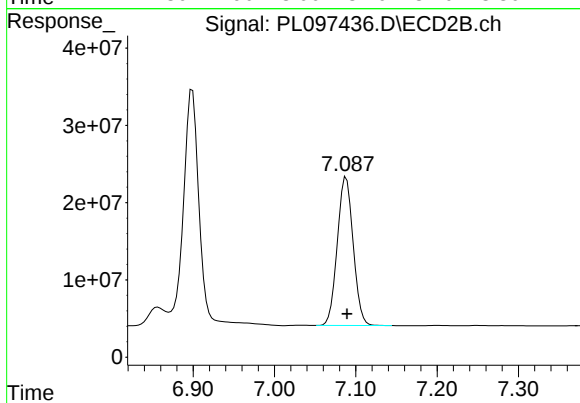
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 393447357
Conc: 52.25 ng/ml



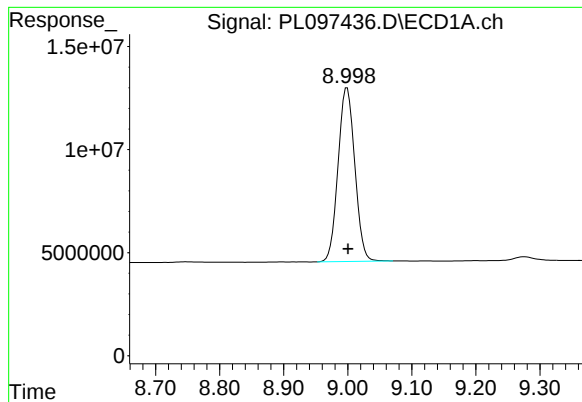
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 160223169
Conc: 45.13 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.001 min
Response: 260494252
Conc: 43.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.002 min
Response: 152863784
Conc: 46.72 ng/ml

Instrument :

ECD_L

ClientSampleId :

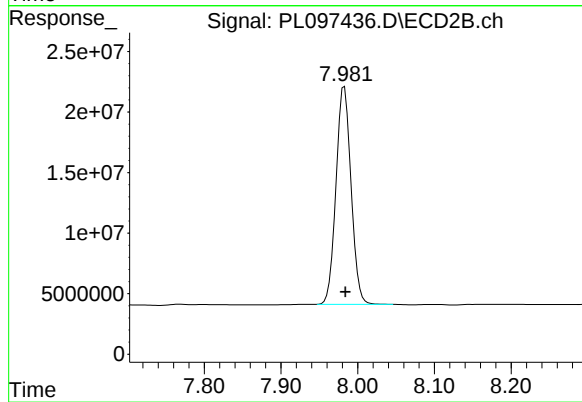
PSTDCCC050

Manual Integrations

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Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 244896682
Conc: 43.03 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/30/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 16:32

Initial Calibration Time(s): 17:06

18:00

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
alpha-BHC	3.97	3.98	3.88	4.08	0.01
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.74	4.64	4.84	0.01
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.75	6.65	6.85	0.01
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
Endosulfan sulfate	7.11	7.11	7.01	7.21	0.00
4,4'-DDT	6.98	6.98	6.88	7.08	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.59	7.59	7.49	7.69	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.99	5.89	6.09	0.01
gamma-Chlordane	5.90	5.91	5.81	6.01	0.01



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Continuing Calib Date: 09/30/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 16:32

Initial Calibration Time(s): 17:06

18:00

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.01
delta-BHC	4.19	4.19	4.09	4.29	0.00
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	6.00	5.90	6.10	0.01
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
Endosulfan sulfate	6.39	6.40	6.30	6.50	0.01
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.00
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.11	5.11	5.01	5.21	0.00
gamma-Chlordane	5.04	5.05	4.95	5.15	0.01



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/30/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097449.D **Time Analyzed:** 16:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.663	6.566	6.766	54.980	50.000	10.0
4,4'-DDE	6.155	6.056	6.256	52.720	50.000	5.4
4,4'-DDT	6.976	6.880	7.080	42.500	50.000	-15.0
Aldrin	5.230	5.132	5.332	50.410	50.000	0.8
alpha-BHC	3.972	3.875	4.075	52.100	50.000	4.2
alpha-Chlordane	5.984	5.886	6.086	52.840	50.000	5.7
beta-BHC	4.487	4.390	4.590	51.230	50.000	2.5
Decachlorobiphenyl	9.000	8.902	9.102	47.590	50.000	-4.8
delta-BHC	4.731	4.635	4.835	52.860	50.000	5.7
Dieldrin	6.304	6.206	6.406	51.960	50.000	3.9
Endosulfan I	6.032	5.934	6.134	52.590	50.000	5.2
Endosulfan II	6.742	6.646	6.846	47.920	50.000	-4.2
Endosulfan sulfate	7.106	7.007	7.207	52.640	50.000	5.3
Endrin	6.530	6.432	6.632	53.390	50.000	6.8
Endrin aldehyde	6.871	6.774	6.974	55.470	50.000	10.9
Endrin ketone	7.586	7.487	7.687	53.110	50.000	6.2
gamma-BHC (Lindane)	4.300	4.202	4.402	51.480	50.000	3.0
gamma-Chlordane	5.902	5.806	6.006	51.530	50.000	3.1
Heptachlor	4.890	4.793	4.993	47.730	50.000	-4.5
Heptachlor epoxide	5.648	5.552	5.752	51.800	50.000	3.6
Methoxychlor	7.451	7.352	7.552	44.570	50.000	-10.9
Tetrachloro-m-xylene	3.525	3.428	3.628	47.670	50.000	-4.7



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3176
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/30/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097449.D **Time Analyzed:** 16:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.848	5.750	5.950	51.020	50.000	2.0
4,4'-DDE	5.295	5.197	5.397	49.920	50.000	-0.2
4,4'-DDT	6.100	6.002	6.202	41.200	50.000	-17.6
Aldrin	4.289	4.191	4.391	51.790	50.000	3.6
alpha-BHC	3.327	3.229	3.429	52.700	50.000	5.4
alpha-Chlordane	5.107	5.009	5.209	51.430	50.000	2.9
beta-BHC	3.955	3.857	4.057	48.270	50.000	-3.5
Decachlorobiphenyl	7.982	7.884	8.084	42.080	50.000	-15.8
delta-BHC	4.188	4.090	4.290	50.750	50.000	1.5
Dieldrin	5.426	5.328	5.528	52.970	50.000	5.9
Endosulfan I	5.162	5.064	5.264	46.770	50.000	-6.5
Endosulfan II	5.993	5.895	6.095	49.030	50.000	-1.9
Endosulfan sulfate	6.394	6.296	6.496	48.710	50.000	-2.6
Endrin	5.701	5.603	5.803	60.620	50.000	21.2
Endrin aldehyde	6.171	6.073	6.273	47.810	50.000	-4.4
Endrin ketone	6.898	6.800	7.000	50.200	50.000	0.4
gamma-BHC (Lindane)	3.659	3.561	3.761	51.220	50.000	2.4
gamma-Chlordane	5.043	4.945	5.145	50.970	50.000	1.9
Heptachlor	4.007	3.909	4.109	47.990	50.000	-4.0
Heptachlor epoxide	4.791	4.693	4.893	51.590	50.000	3.2
Methoxychlor	6.672	6.574	6.774	40.450	50.000	-19.1
Tetrachloro-m-xylene	2.822	2.724	2.924	46.670	50.000	-6.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097449.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 16:32
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	215.8E6	306.9E6	47.674	46.669
28)	SA Decachlor...	9.000	7.982	155.7E6	239.5E6	47.586	42.079
Target Compounds							
2)	A alpha-BHC	3.972	3.327	364.1E6	524.8E6	52.103	52.699
3)	MA gamma-BHC...	4.300	3.659	340.5E6	477.1E6	51.481	51.216
4)	MA Heptachlor	4.890	4.007	318.4E6	446.5E6	47.734	47.987
5)	MB Aldrin	5.230	4.289	319.3E6	449.5E6	50.410	51.793
6)	B beta-BHC	4.487	3.955	139.6E6	196.1E6	51.225	48.266
7)	B delta-BHC	4.731	4.188	320.8E6	466.5E6	52.858m	50.749
8)	B Heptachlo...	5.648	4.791	297.7E6	409.2E6	51.802m	51.586
9)	A Endosulfan I	6.032	5.162	272.5E6	359.4E6	52.593	46.771
10)	B gamma-Chl...	5.902	5.043	291.3E6	445.2E6	51.529m	50.972
11)	B alpha-Chl...	5.984	5.107	300.1E6	426.9E6	52.843	51.431
12)	B 4,4'-DDE	6.155	5.295	251.2E6	383.6E6	52.719	49.917
13)	MA Dieldrin	6.304	5.426	284.9E6	433.1E6	51.962	52.972
14)	MA Endrin	6.530	5.701	246.3E6	455.3E6	53.389	60.618m
15)	B Endosulfa...	6.742	5.993	235.7E6	348.5E6	47.919m	49.026
16)	A 4,4'-DDD	6.663	5.848	207.3E6	329.0E6	54.979m	51.022
17)	MA 4,4'-DDT	6.976	6.100	179.7E6	285.1E6	42.502m	41.203
18)	B Endrin al...	6.871	6.171	171.0E6	255.2E6	55.473m	47.806
19)	B Endosulfa...	7.106	6.394	214.9E6	333.6E6	52.640	48.707
20)	A Methoxychlor	7.451	6.672	92936340	152.5E6	44.566	40.452
21)	B Endrin ke...	7.586	6.898	225.4E6	378.0E6	53.112	50.200
22)	Mirex	8.064	7.088	158.8E6	259.5E6	44.716	43.404

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 16:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

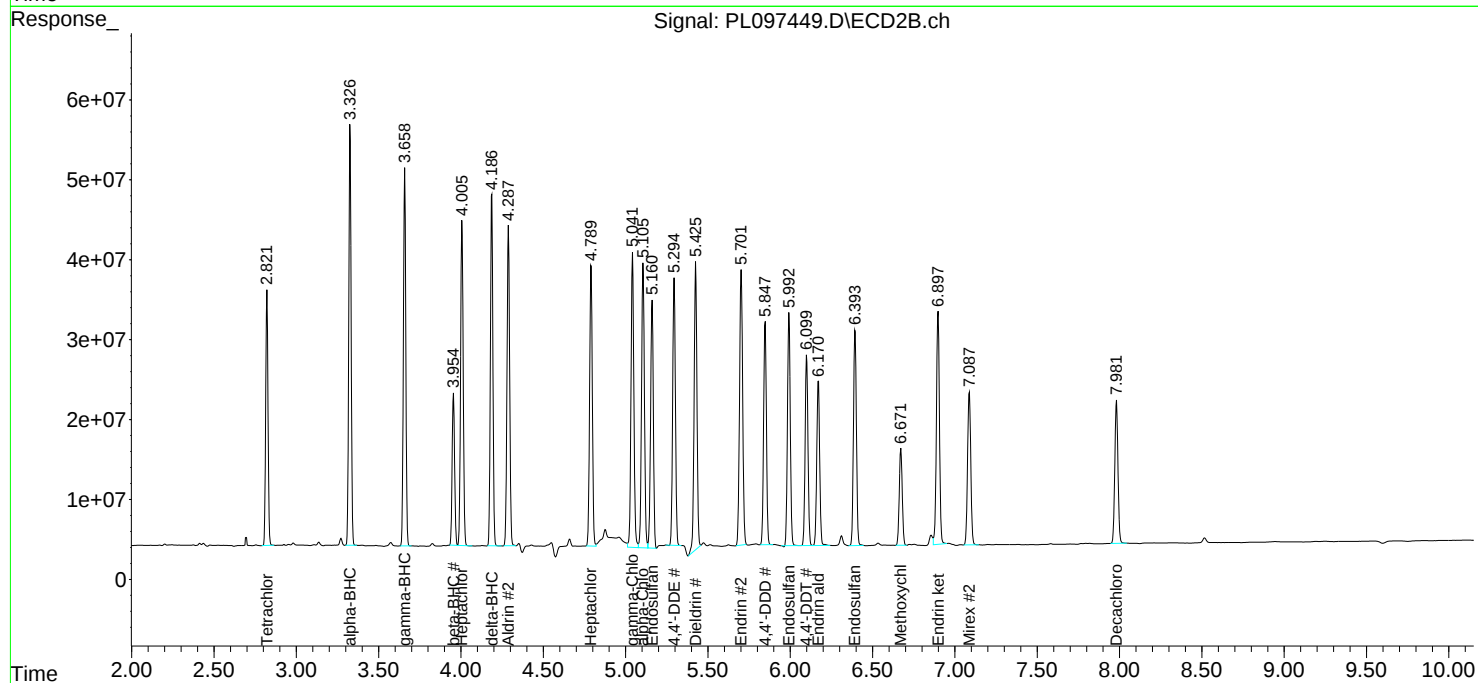
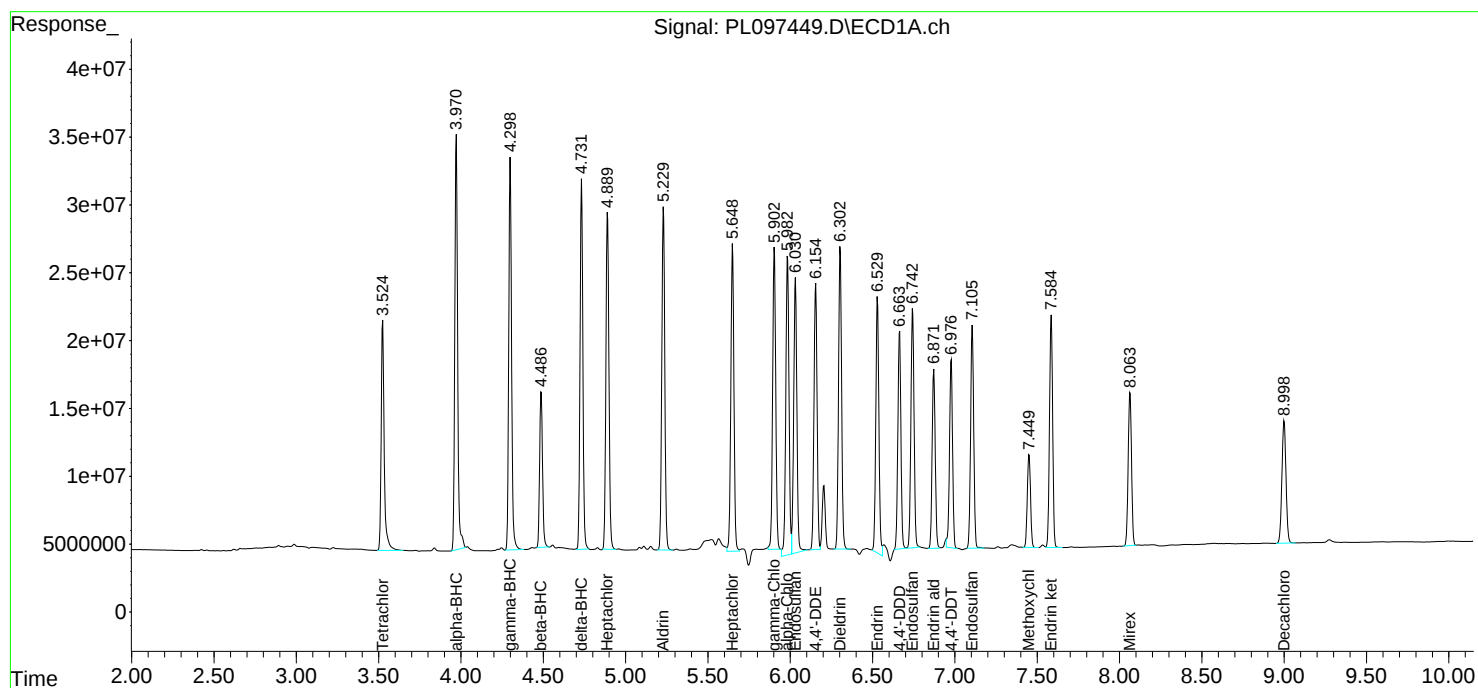
Manual Integrations

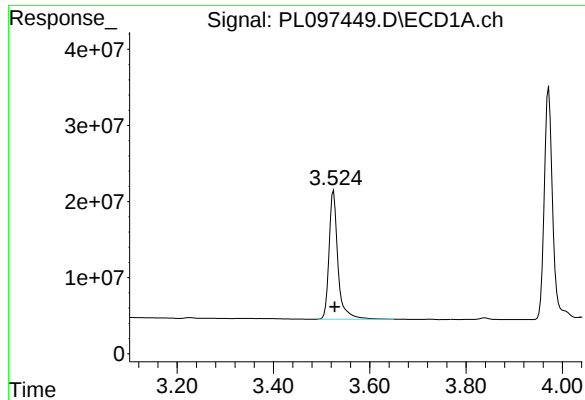
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 215828044
Conc: 47.67 ng/ml

Instrument :

ECD_L

ClientSampleId :

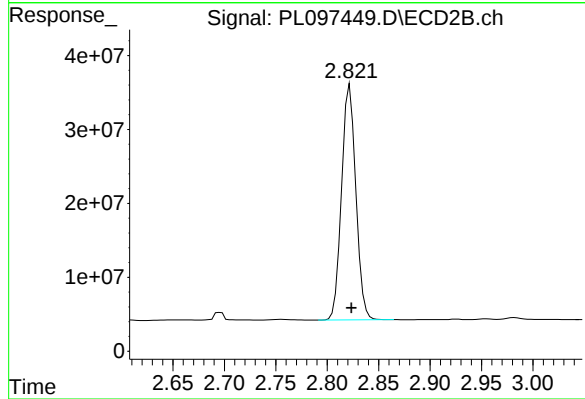
PSTDCCC050

Manual Integrations

APPROVED

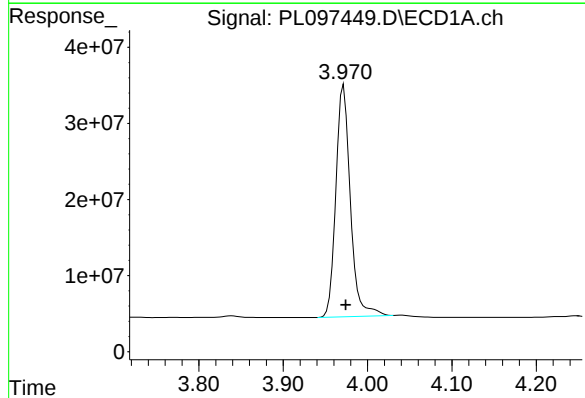
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025



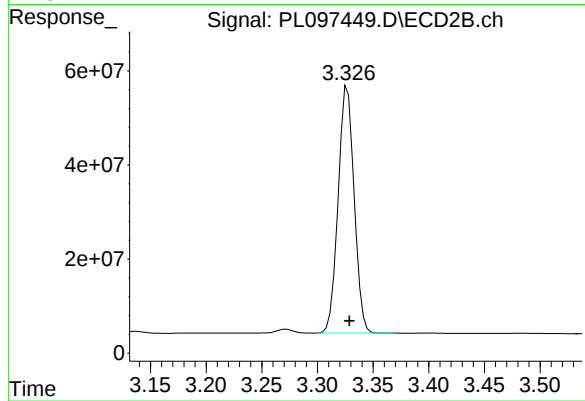
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 306872919
Conc: 46.67 ng/ml



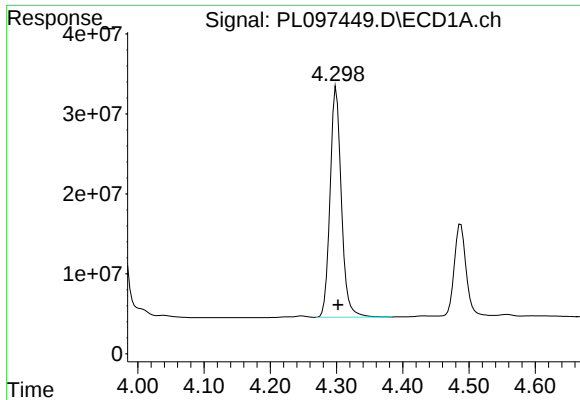
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: -0.002 min
Response: 364067993
Conc: 52.10 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.002 min
Response: 524750601
Conc: 52.70 ng/ml



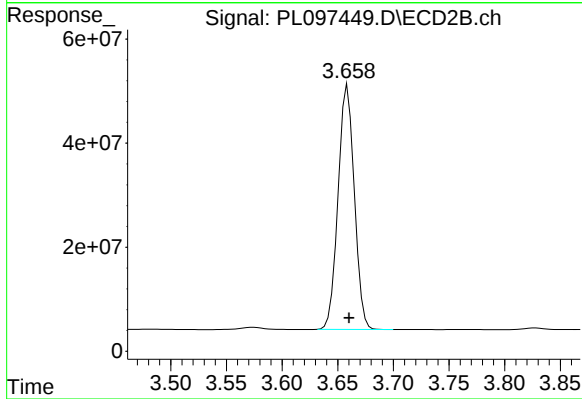
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.003 min
Response: 340452541
Conc: 51.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

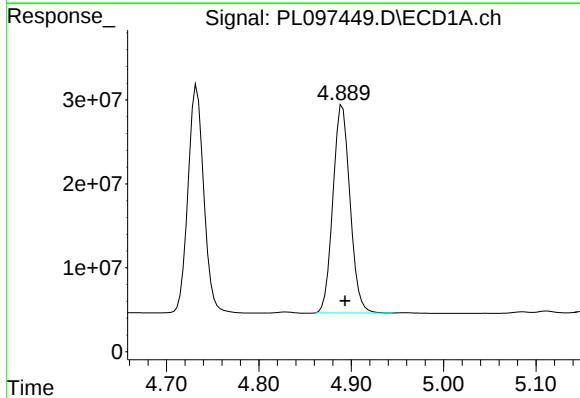
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



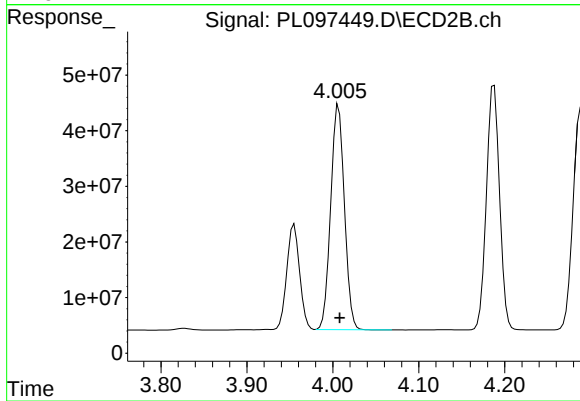
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.001 min
Response: 477055761
Conc: 51.22 ng/ml



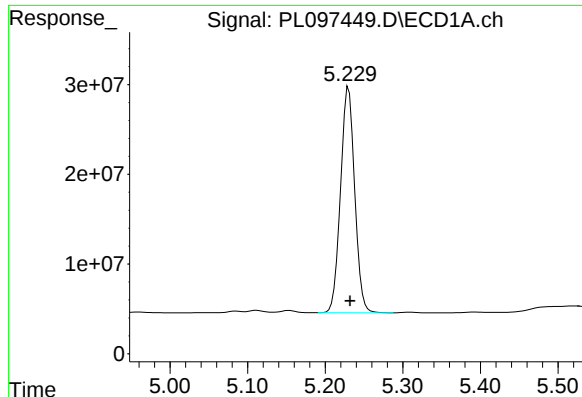
#4 Heptachlor

R.T.: 4.890 min
Delta R.T.: -0.003 min
Response: 318387459
Conc: 47.73 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.001 min
Response: 446529116
Conc: 47.99 ng/ml



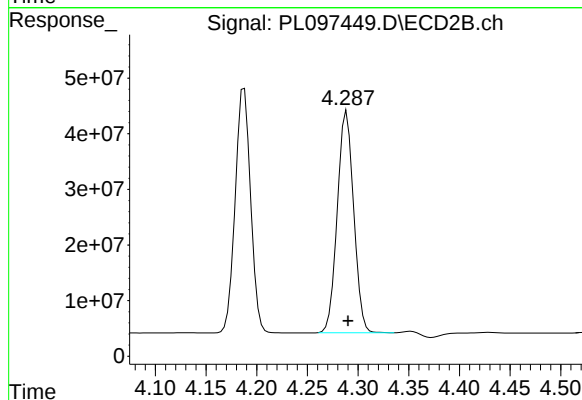
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 319287773
Conc: 50.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

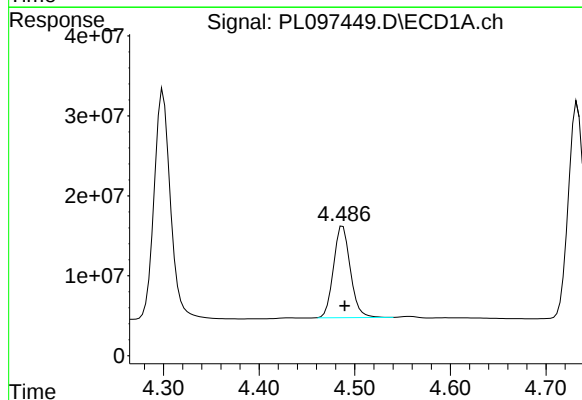
Manual Integrations
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Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



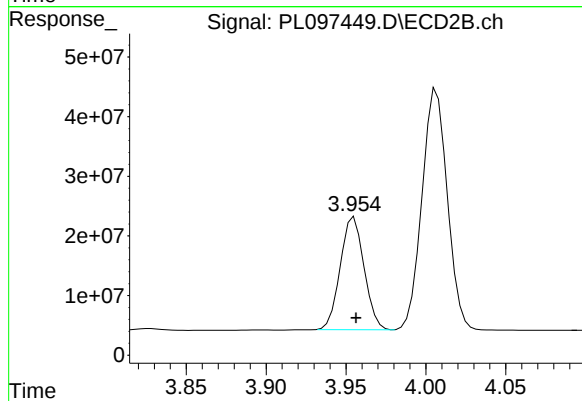
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.002 min
Response: 449531299
Conc: 51.79 ng/ml



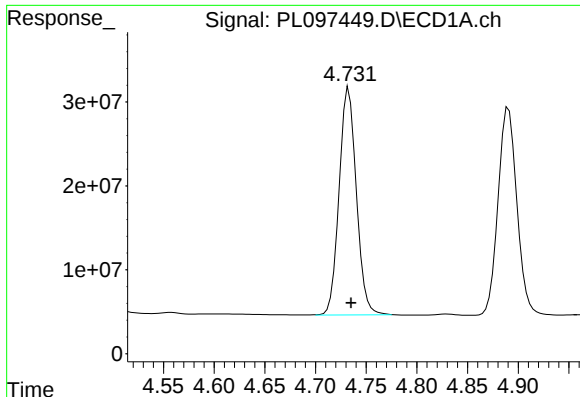
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 139649709
Conc: 51.23 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.001 min
Response: 196059192
Conc: 48.27 ng/ml



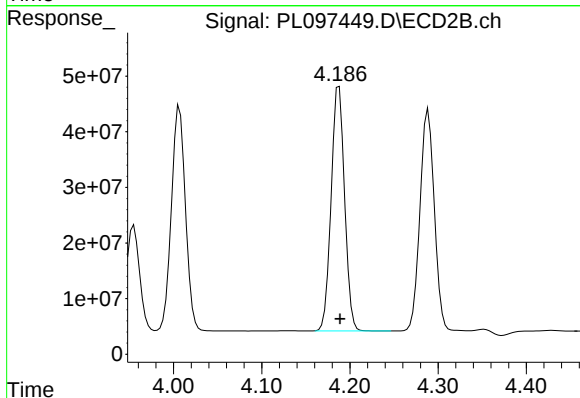
#7 delta-BHC

R.T.: 4.731 min
Delta R.T.: -0.004 min
Response: 320760965
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

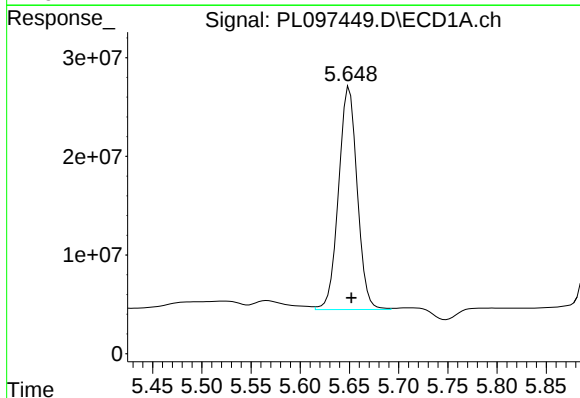
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



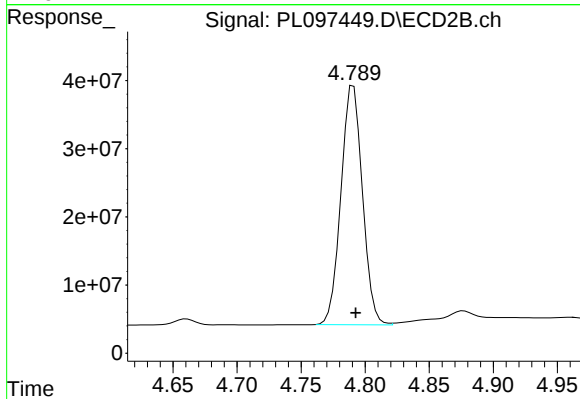
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.001 min
Response: 466499510
Conc: 50.75 ng/ml



#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.003 min
Response: 297701857
Conc: 51.80 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.002 min
Response: 409157991
Conc: 51.59 ng/ml

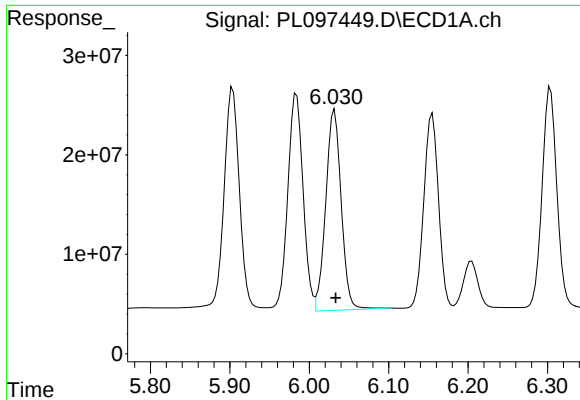
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 272502990
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

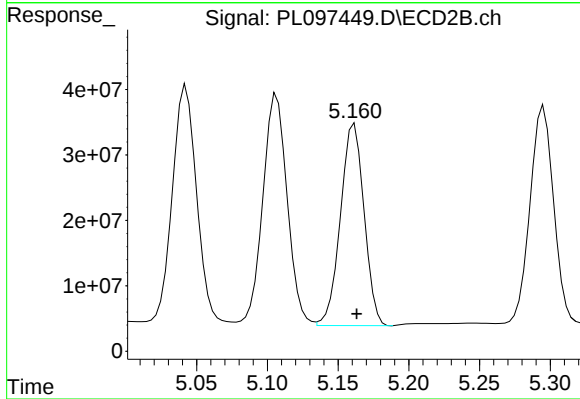
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



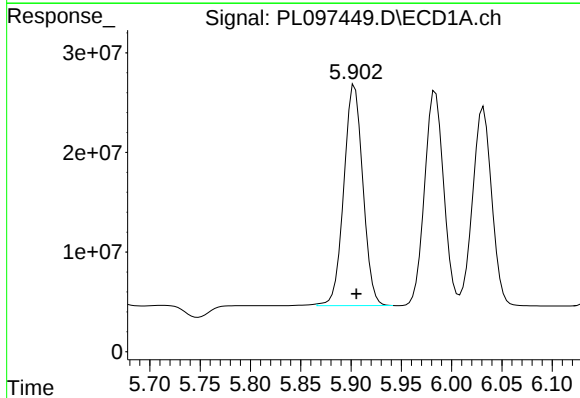
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.002 min
Response: 359370315
Conc: 46.77 ng/ml



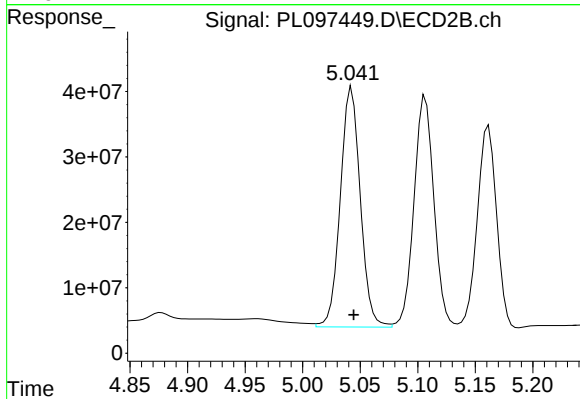
#10 gamma-Chlordane

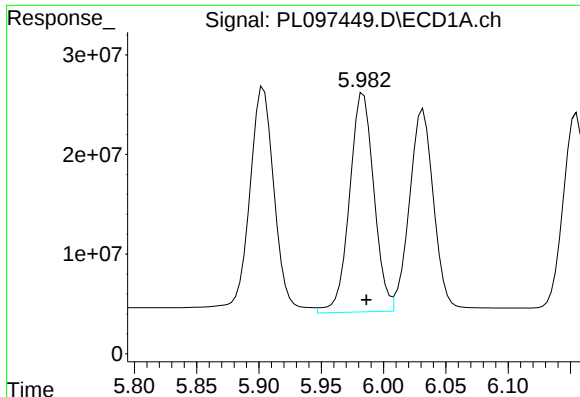
R.T.: 5.902 min
Delta R.T.: -0.003 min
Response: 291321256
Conc: 51.53 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 445184916
Conc: 50.97 ng/ml





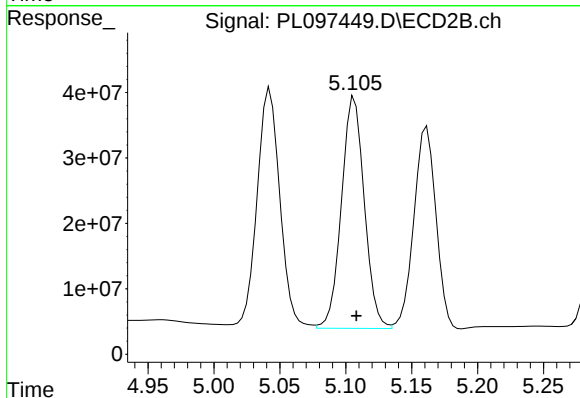
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.002 min
Response: 300144465
Conc: 52.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

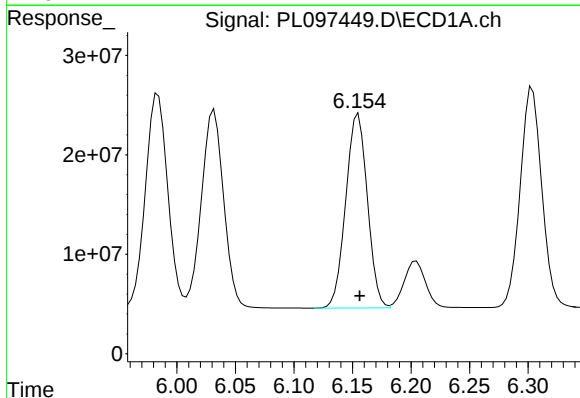
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



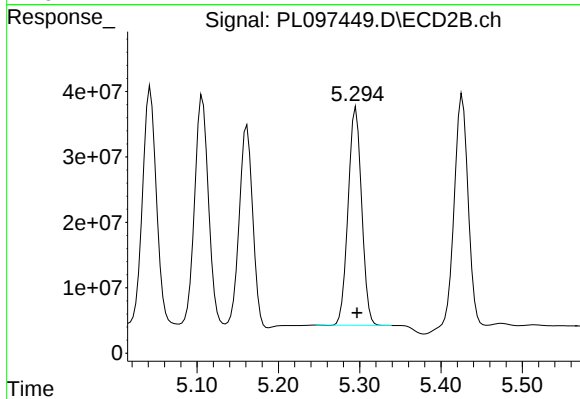
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.001 min
Response: 426906560
Conc: 51.43 ng/ml



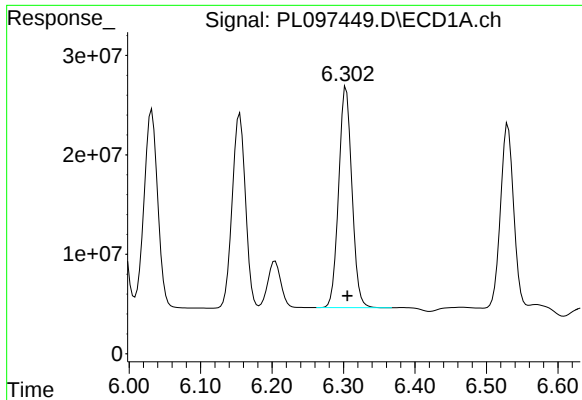
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.001 min
Response: 251189937
Conc: 52.72 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.001 min
Response: 383600646
Conc: 49.92 ng/ml



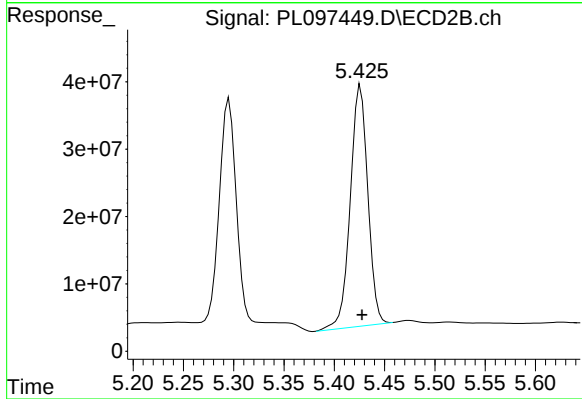
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.002 min
Response: 284863473
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

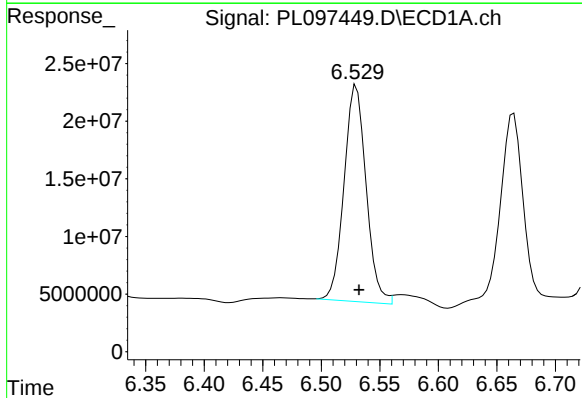
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



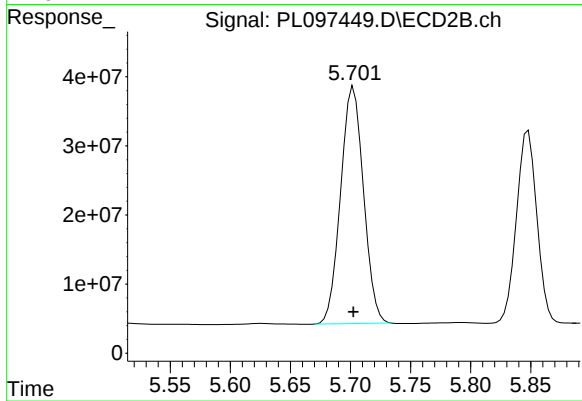
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: -0.002 min
Response: 433142977
Conc: 52.97 ng/ml



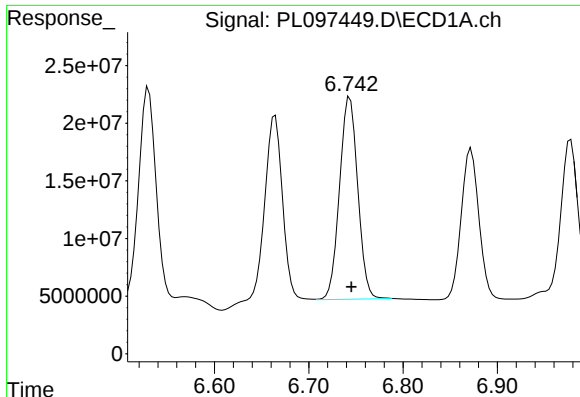
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 246290787
Conc: 53.39 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.001 min
Response: 455273940
Conc: 60.62 ng/ml m



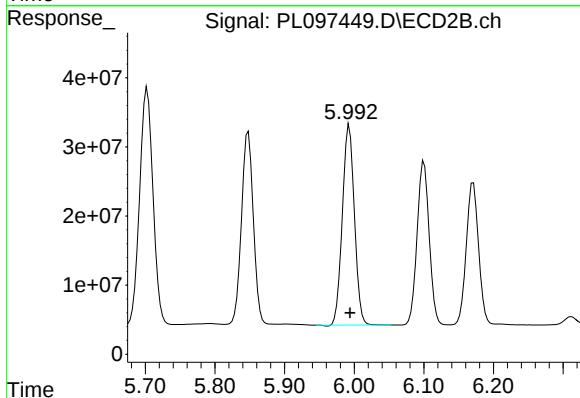
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 235681040
Conc: 47.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

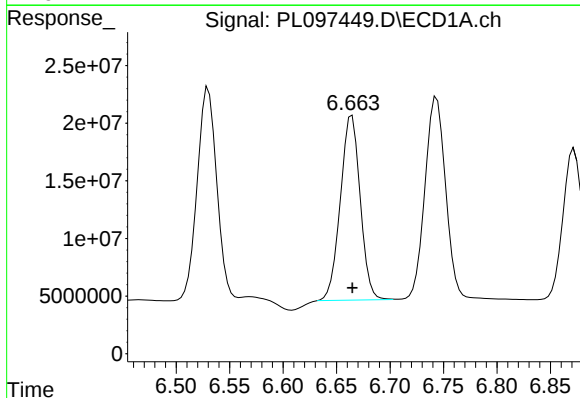
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



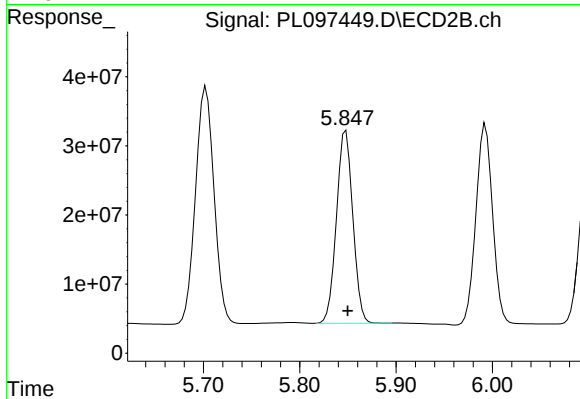
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.001 min
Response: 348535659
Conc: 49.03 ng/ml



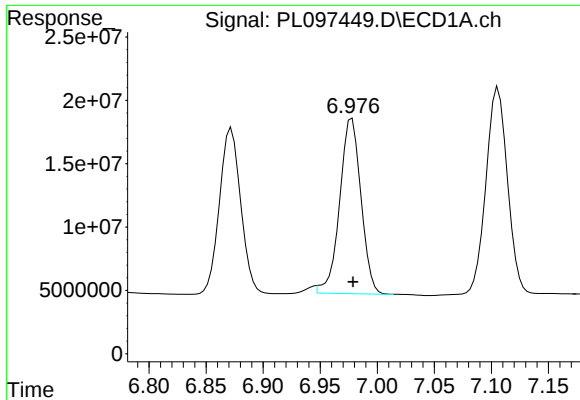
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 207301045
Conc: 54.98 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 329047533
Conc: 51.02 ng/ml



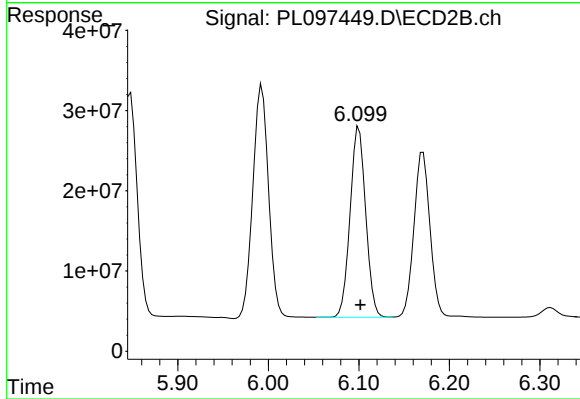
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 179665167
Conc: 42.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

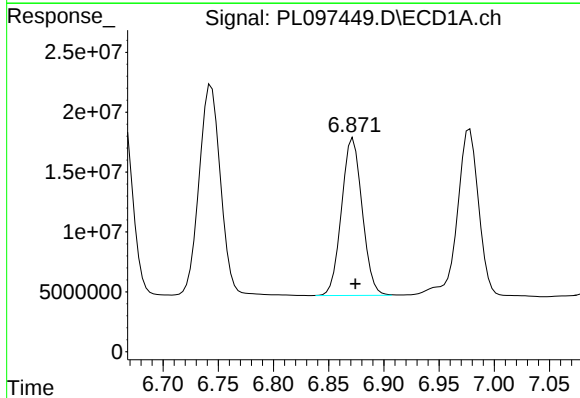
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



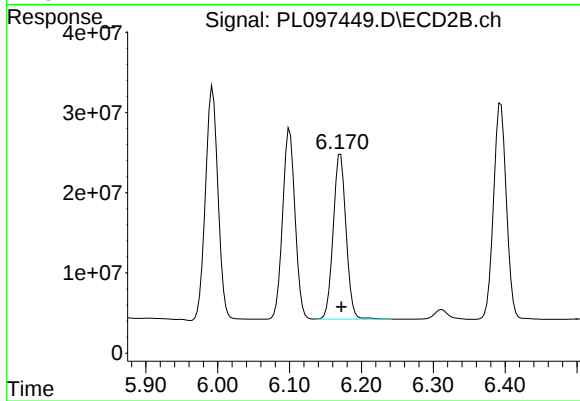
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 285145551
Conc: 41.20 ng/ml



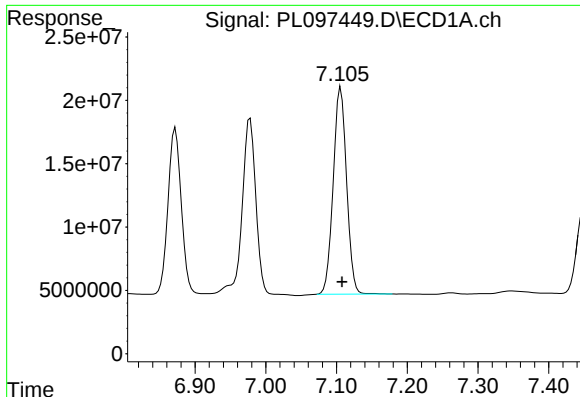
#18 Endrin aldehyde

R.T.: 6.871 min
Delta R.T.: -0.003 min
Response: 171011760
Conc: 55.47 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 255160061
Conc: 47.81 ng/ml



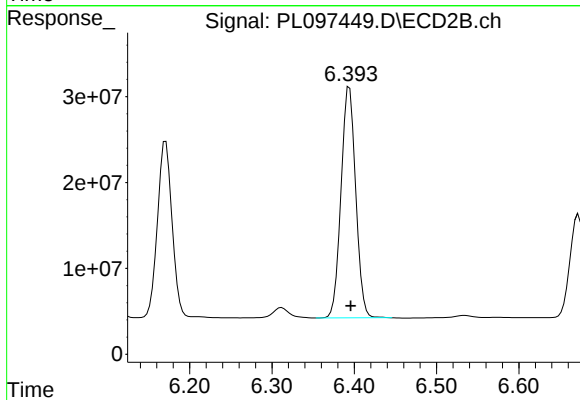
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 214913619
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

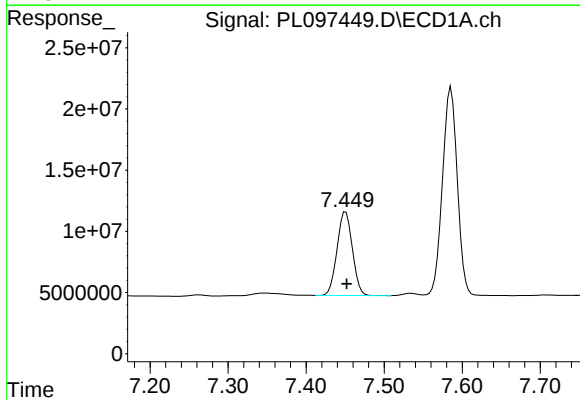
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



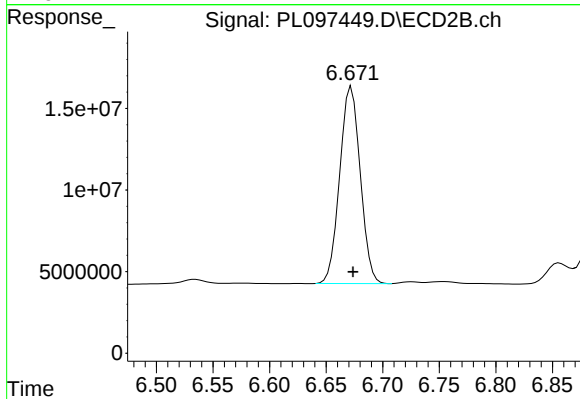
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 333631295
Conc: 48.71 ng/ml



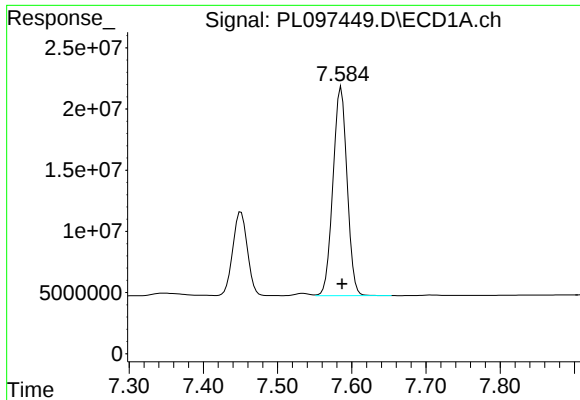
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.002 min
Response: 92936340
Conc: 44.57 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.001 min
Response: 152482791
Conc: 40.45 ng/ml



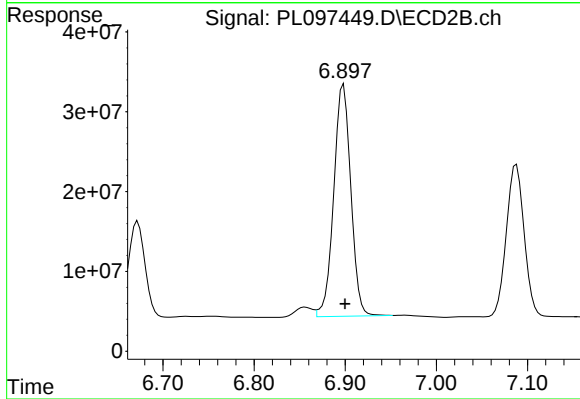
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.001 min
Response: 225427888
Conc: 53.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

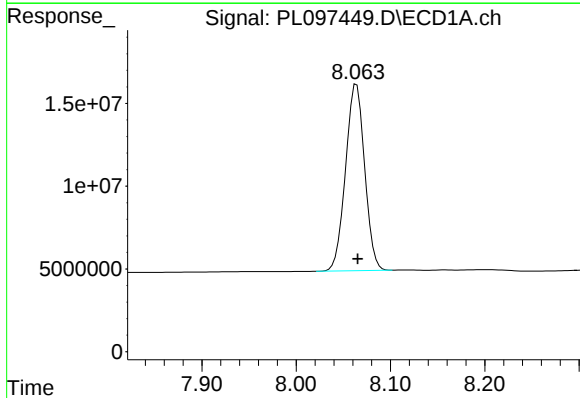
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



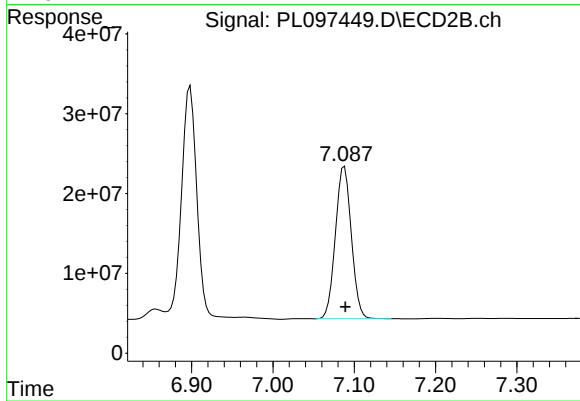
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.002 min
Response: 378019294
Conc: 50.20 ng/ml



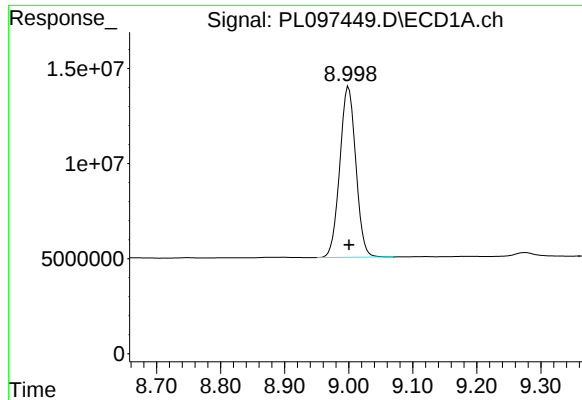
#22 Mirex

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 158755668
Conc: 44.72 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.001 min
Response: 259500650
Conc: 43.40 ng/ml



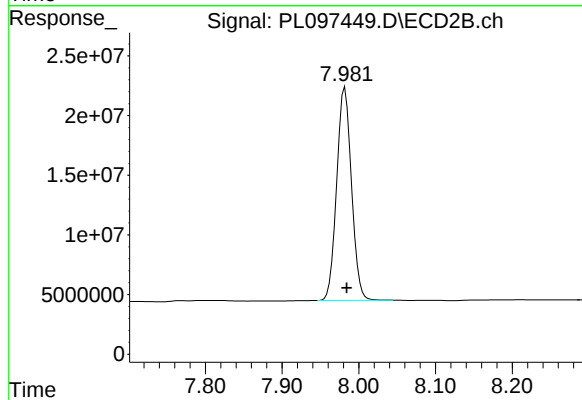
#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 155709933
Conc: 47.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 239497171
Conc: 42.08 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	16.390	20.000	-18.1
Tetrachloro-m-xylene	3.546	3.500	3.600	16.190	20.000	-19.1
alpha-BHC	3.995	3.940	4.050	7.010	10.000	-29.9
beta-BHC	4.512	4.460	4.560	7.900	10.000	-21.0
gamma-BHC (Lindane)	4.325	4.270	4.380	7.190	10.000	-28.1
Endrin	6.569	6.500	6.640	38.000	50.000	-24.0
4,4'-DDT	7.016	6.950	7.090	74.700	100.000	-25.3
Methoxychlor	7.489	7.420	7.560	174.520	250.000	-30.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	15.820	20.000	-20.9
Tetrachloro-m-xylene	2.876	2.830	2.930	15.940	20.000	-20.3
alpha-BHC	3.388	3.340	3.440	8.280	10.000	-17.2
beta-BHC	4.020	3.970	4.070	8.430	10.000	-15.7
gamma-BHC (Lindane)	3.724	3.670	3.770	8.260	10.000	-17.4
Endrin	5.782	5.710	5.850	37.930	50.000	-24.1
4,4'-DDT	6.176	6.110	6.250	73.820	100.000	-26.2
Methoxychlor	6.746	6.680	6.820	155.590	250.000	-37.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/19/2025
 Supervised By : mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	52614883	437.5E6	16.187	15.938
28)	SA Decachlor...	9.066	8.063	79104389	512.8E6	16.395	15.820
Target Compounds							
2)	A alpha-BHC	3.995	3.388	48940172	362.6E6	7.007	8.282
3)	MA gamma-BHC...	4.325	3.724	47568494	336.3E6	7.189	8.255
6)	B beta-BHC	4.512	4.020	20379483	146.1E6	7.899	8.429
14)	MA Endrin	6.569	5.782	186.0E6	1359.0E6	38.003	37.926
16)	A 4,4'-DDD	6.699	5.923	3137108	33060824	0.766m	1.020 #
17)	MA 4,4'-DDT	7.016	6.176	332.6E6	2537.9E6	74.702	73.820
18)	B Endrin al...	6.909	6.249	866603	15992667	0.253m	0.679 #
20)	A Methoxychlor	7.489	6.746	411.3E6	2707.3E6	174.521	155.591
21)	B Endrin ke...	7.626	6.983	4094699	28312994	0.828	0.784

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

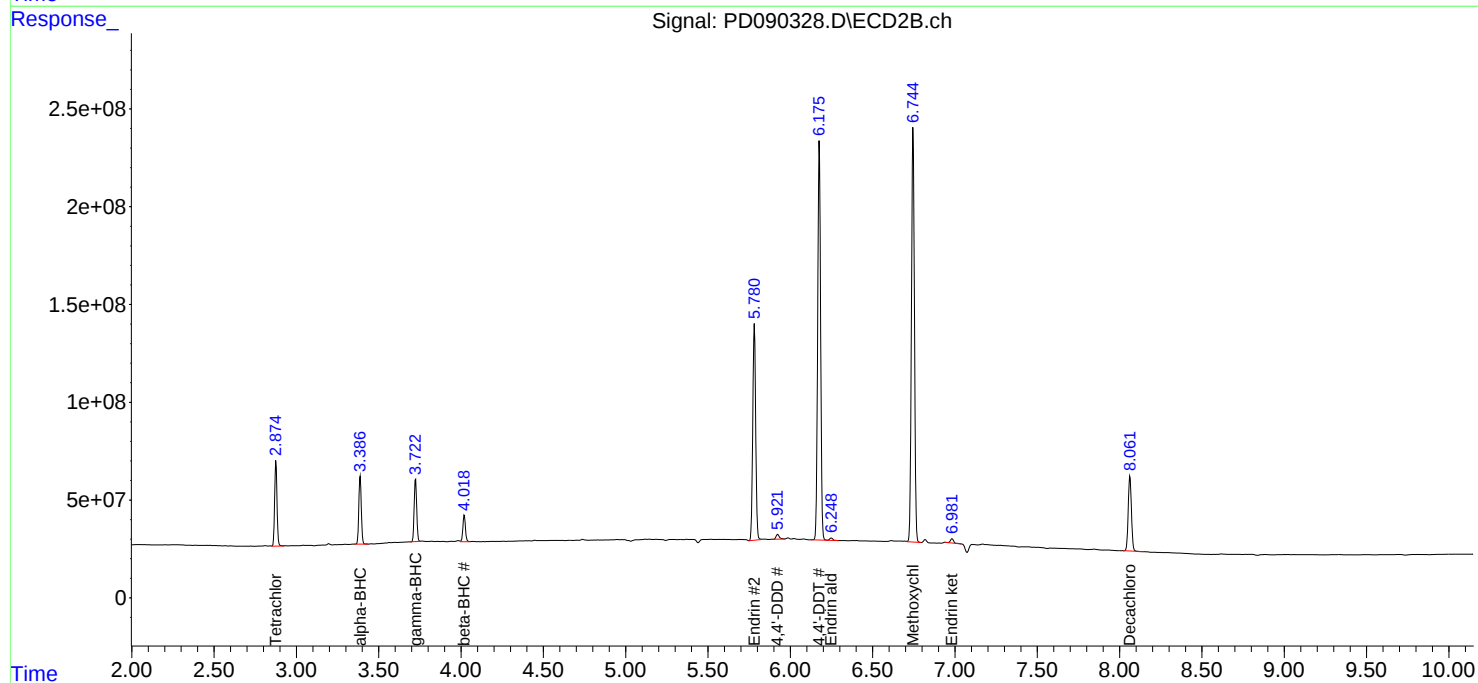
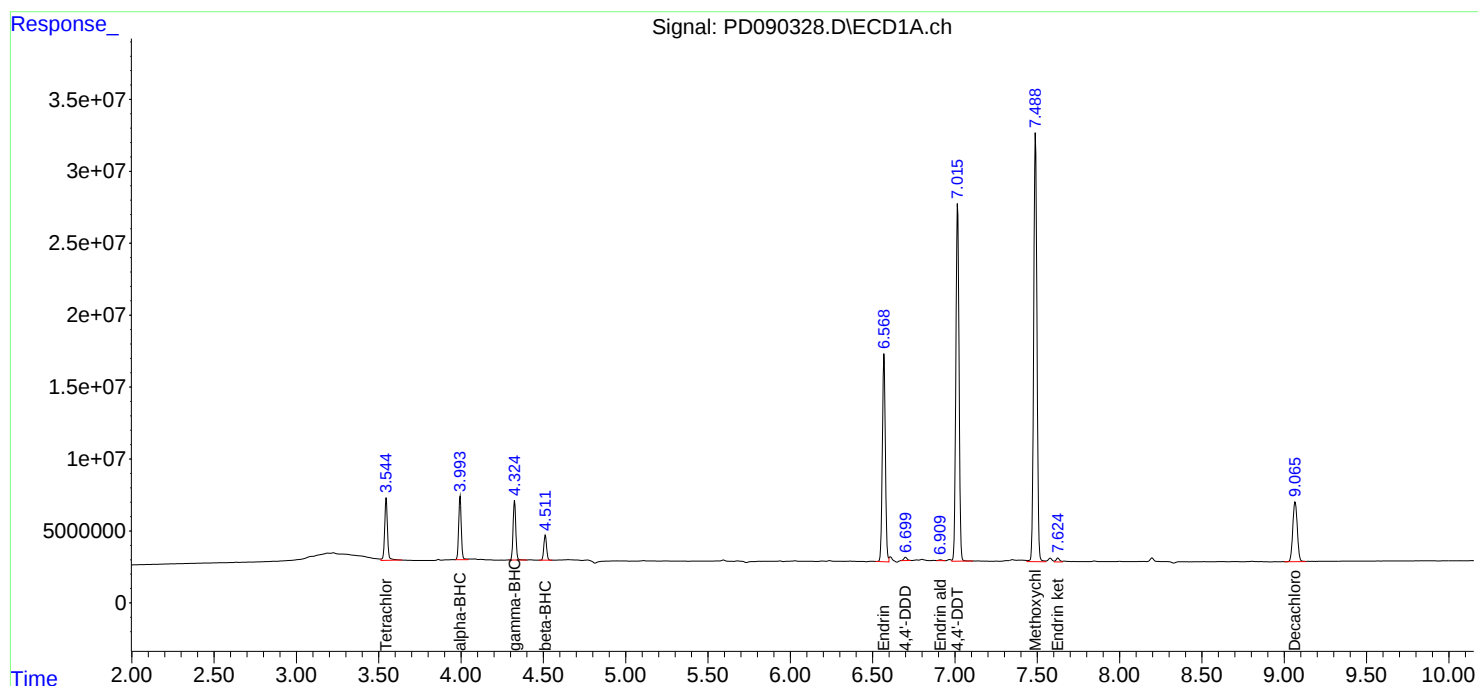
Instrument :
ECD_D
ClientSampleId :
PEM

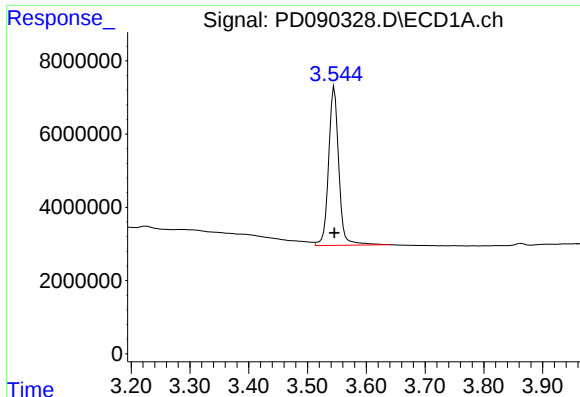
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





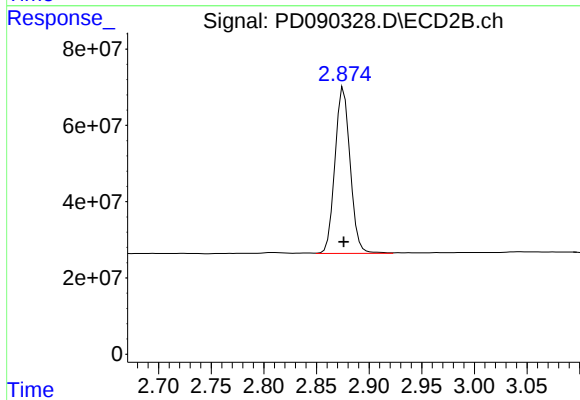
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 52614883
Conc: 16.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

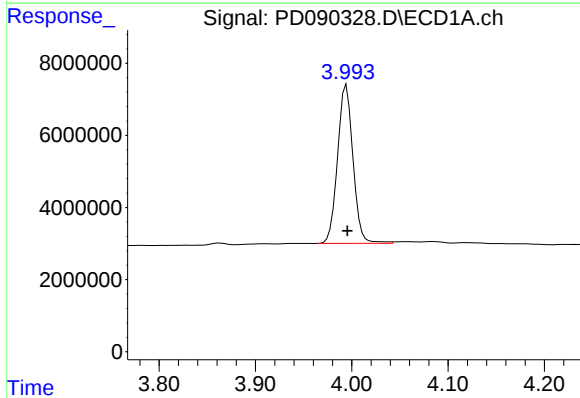
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



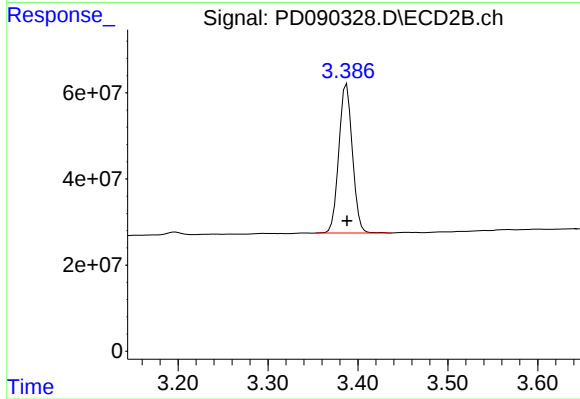
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 437486586
Conc: 15.94 ng/ml



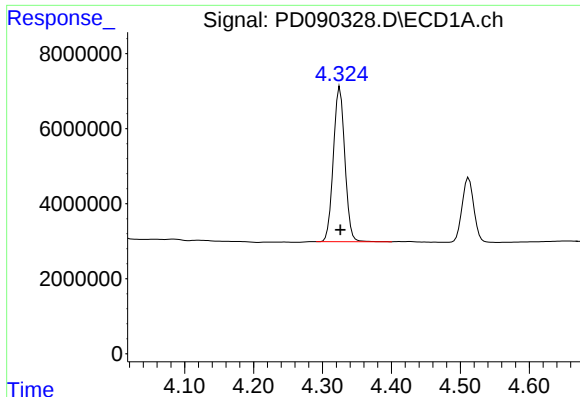
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 48940172
Conc: 7.01 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 362613966
Conc: 8.28 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 47568494
Conc: 7.19 ng/ml

Instrument :

ECD_D

ClientSampleId :

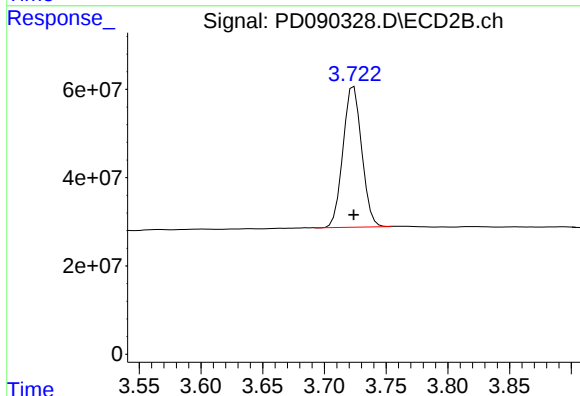
PEM

Manual Integrations

APPROVED

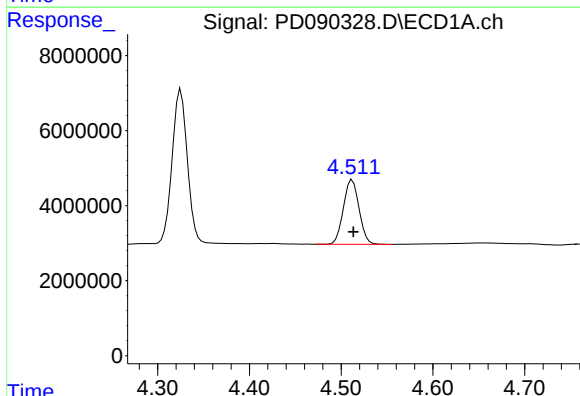
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



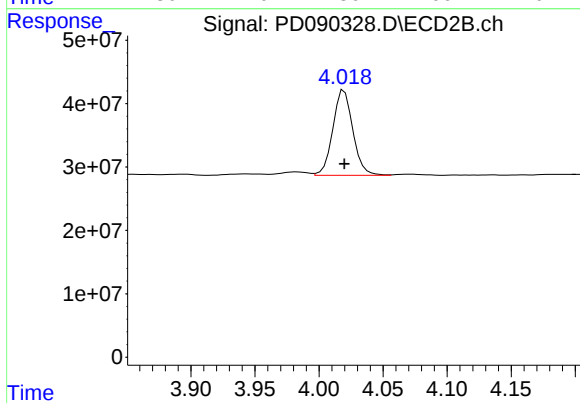
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 336278718
Conc: 8.26 ng/ml



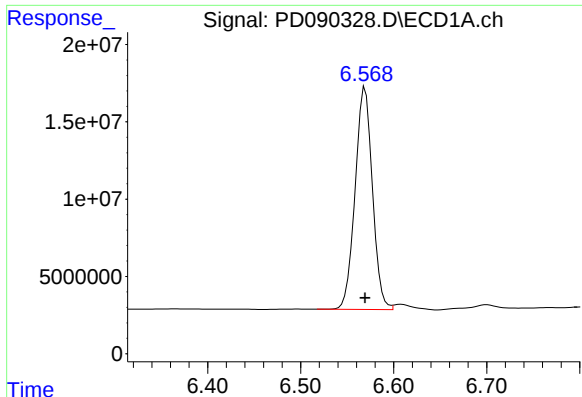
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20379483
Conc: 7.90 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 146120533
Conc: 8.43 ng/ml



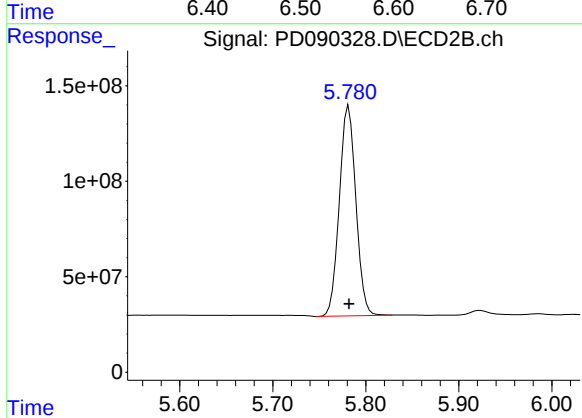
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 185982244
Conc: 38.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

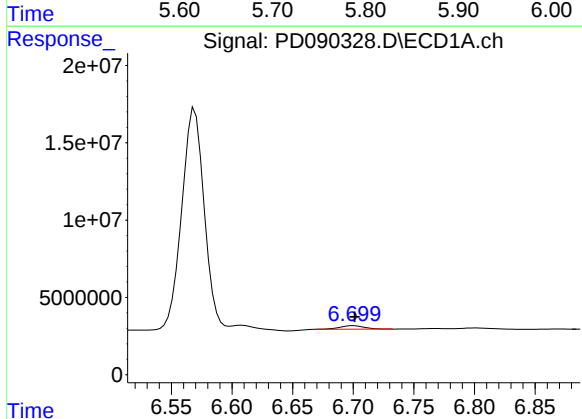
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



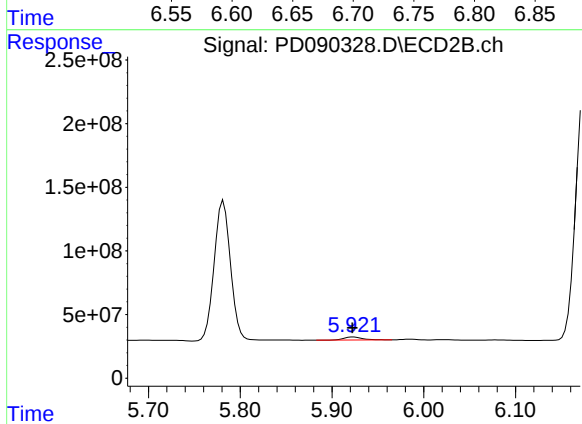
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1358982336
Conc: 37.93 ng/ml



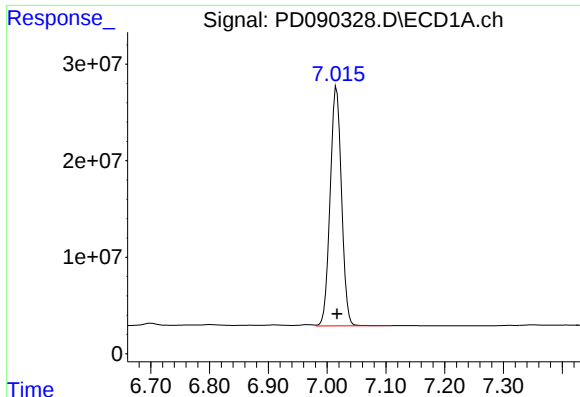
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 3137108
Conc: 0.77 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 33060824
Conc: 1.02 ng/ml



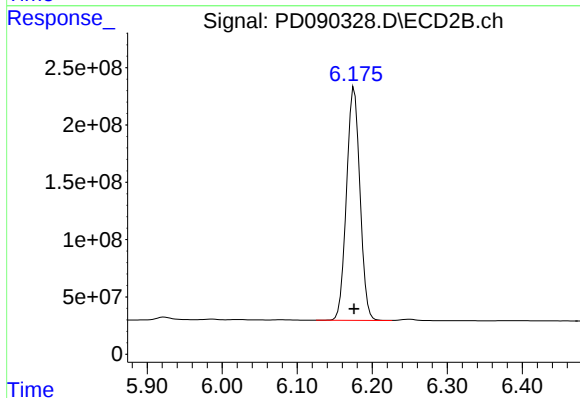
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 332607789
Conc: 74.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

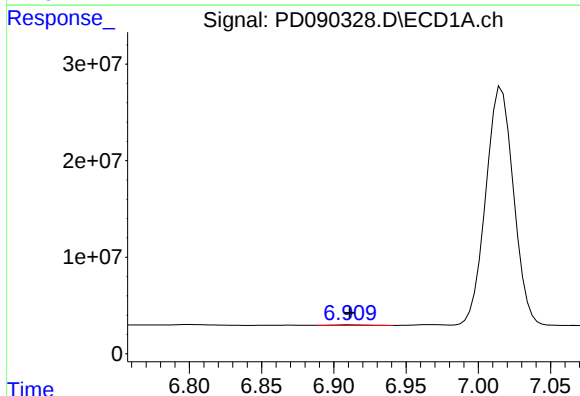
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



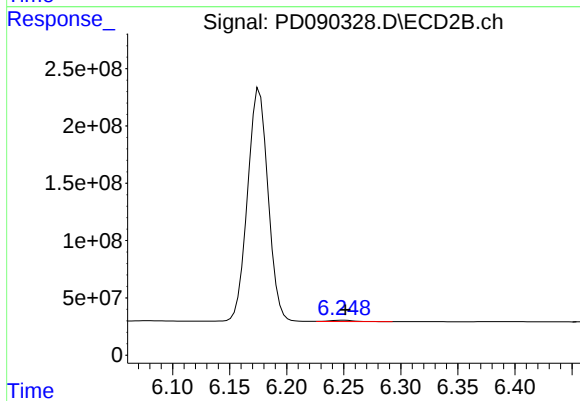
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2537873822
Conc: 73.82 ng/ml



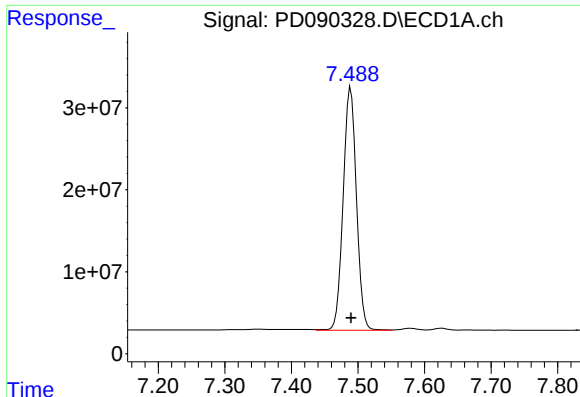
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 866603
Conc: 0.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 15992667
Conc: 0.68 ng/ml



#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 411259807
Conc: 174.52 ng/ml

Instrument :

ECD_D

ClientSampleId :

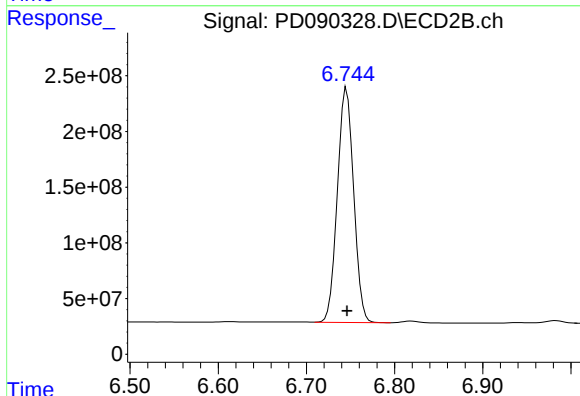
PEM

Manual Integrations

APPROVED

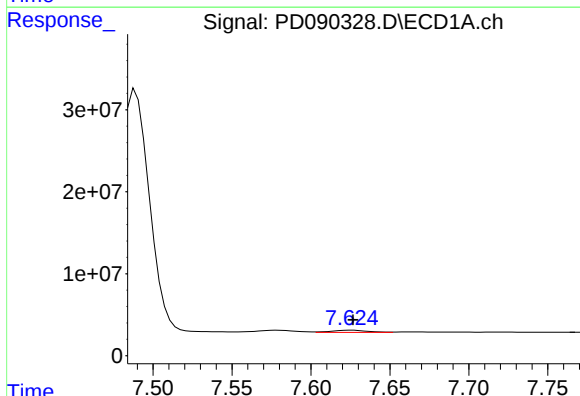
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



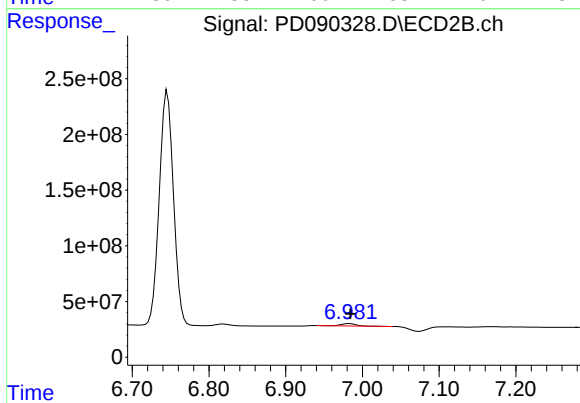
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 2707341456
Conc: 155.59 ng/ml



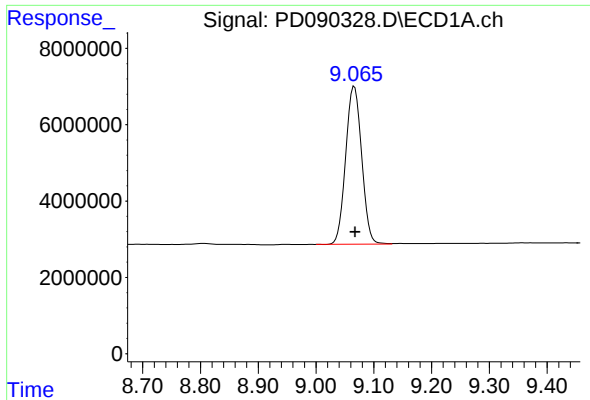
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 4094699
Conc: 0.83 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 28312994
Conc: 0.78 ng/ml



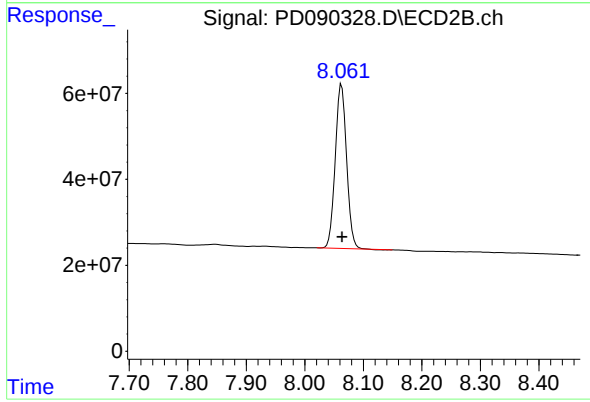
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 79104389
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 512786466
Conc: 15.82 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090386.D Date Analyzed: 09/25/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:54

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	16.810	20.000	-16.0
Tetrachloro-m-xylene	3.547	3.500	3.600	15.970	20.000	-20.2
alpha-BHC	3.996	3.950	4.050	6.730	10.000	-32.7
beta-BHC	4.513	4.460	4.560	7.680	10.000	-23.2
gamma-BHC (Lindane)	4.327	4.280	4.380	7.030	10.000	-29.7
Endrin	6.570	6.500	6.640	36.720	50.000	-26.6
4,4'-DDT	7.017	6.950	7.090	72.060	100.000	-27.9
Methoxychlor	7.490	7.420	7.560	167.530	250.000	-33.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090386.D Date Analyzed: 09/25/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:54

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	17.270	20.000	-13.7
Tetrachloro-m-xylene	2.876	2.830	2.930	15.740	20.000	-21.3
alpha-BHC	3.388	3.340	3.440	8.090	10.000	-19.1
beta-BHC	4.019	3.970	4.070	8.120	10.000	-18.8
gamma-BHC (Lindane)	3.724	3.670	3.770	8.170	10.000	-18.3
Endrin	5.782	5.710	5.850	38.330	50.000	-23.3
4,4'-DDT	6.175	6.100	6.250	74.150	100.000	-25.9
Methoxychlor	6.746	6.680	6.820	151.510	250.000	-39.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
 Data File : PD090386.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Sep 2025 10:54
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/26/2025
 Supervised By : Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 26 05:44:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.876	51917369	432.1E6	15.972	15.740
28)	SA Decachlor...	9.067	8.063	81088321	559.7E6	16.806	17.266
Target Compounds							
2)	A alpha-BHC	3.996	3.388	47001256	354.0E6	6.729	8.085
3)	MA gamma-BHC...	4.327	3.724	46503416	332.7E6	7.028	8.167
6)	B beta-BHC	4.513	4.019	19823610	140.8E6	7.684	8.122m
14)	MA Endrin	6.570	5.782	179.7E6	1373.3E6	36.720	38.326
16)	A 4,4'-DDD	6.700	5.923	4674821	28878372	1.141m	0.891
17)	MA 4,4'-DDT	7.017	6.175	320.8E6	2549.1E6	72.060	74.147
18)	B Endrin al...	6.911	6.249	1024542	17346216	0.299m	0.737 #
20)	A Methoxychlor	7.490	6.746	394.8E6	2636.3E6	167.532	151.508
21)	B Endrin ke...	7.627	6.982	3931081	22204883	0.795	0.615

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 10:54
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

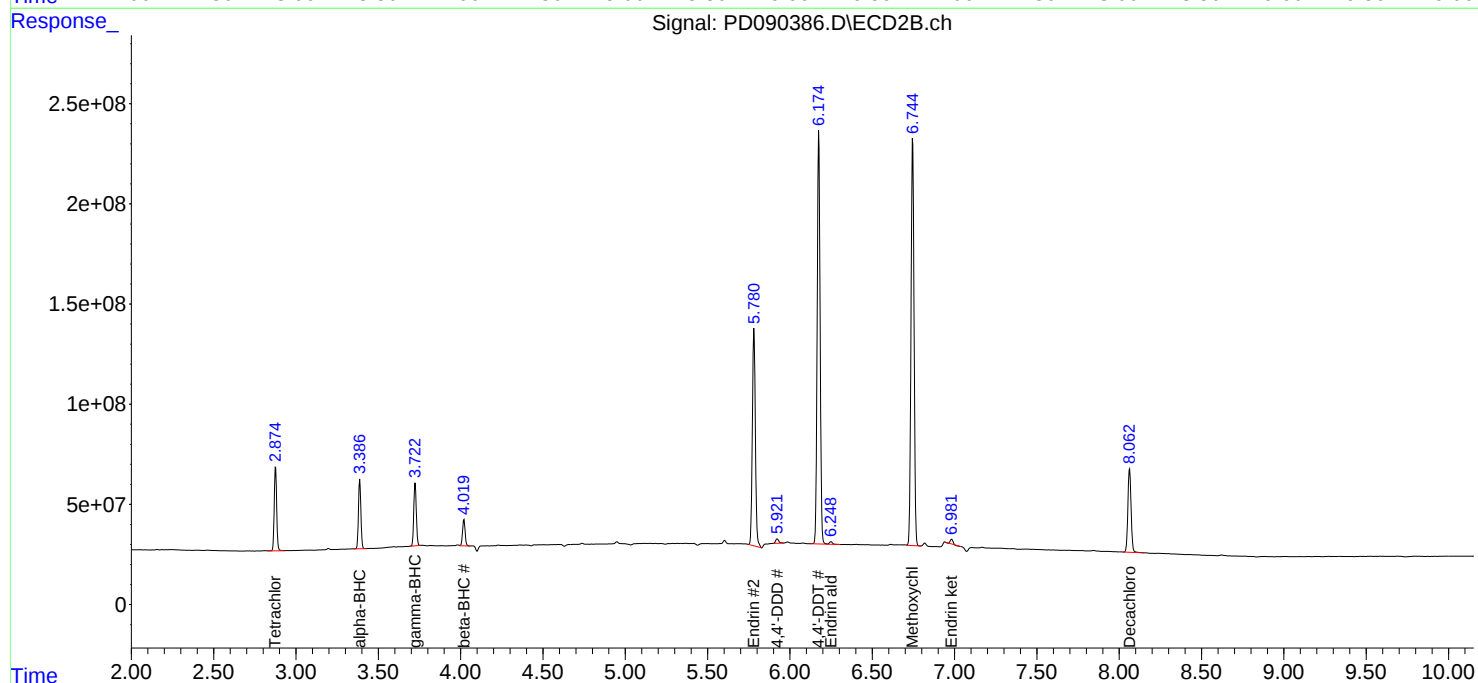
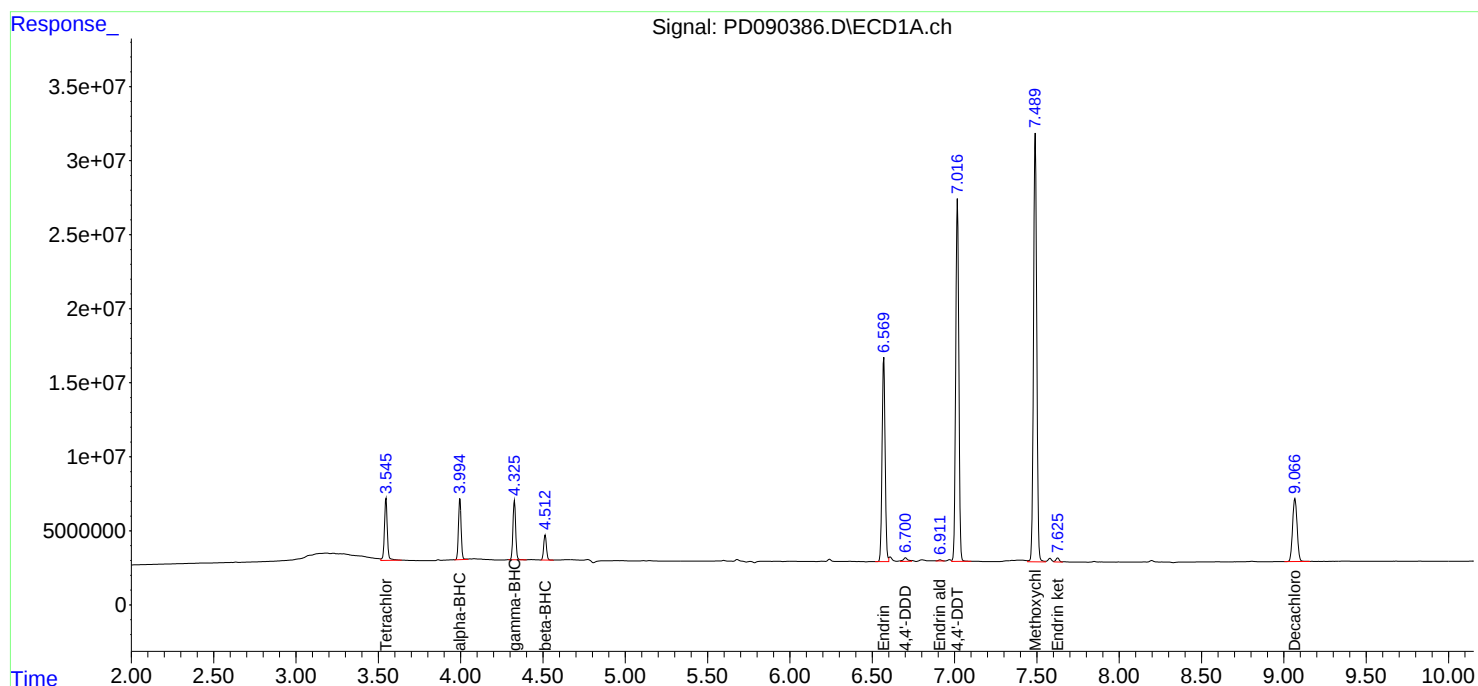
Instrument :
ECD_D
ClientSampleId :
PEM

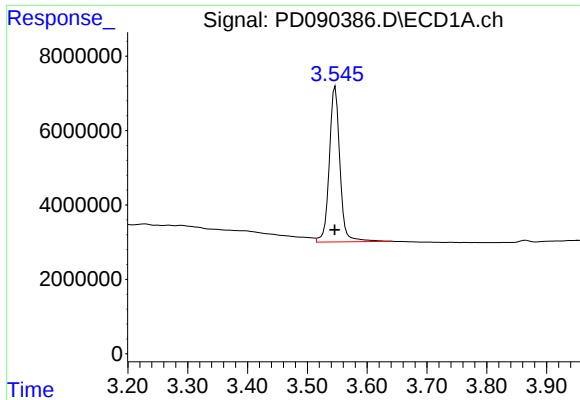
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/26/2025
Supervised By : Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:44:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





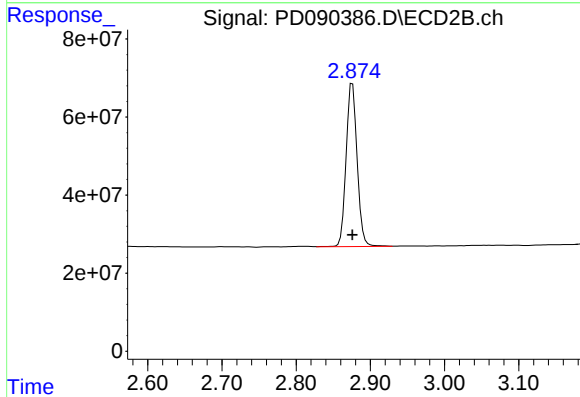
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 51917369
Conc: 15.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

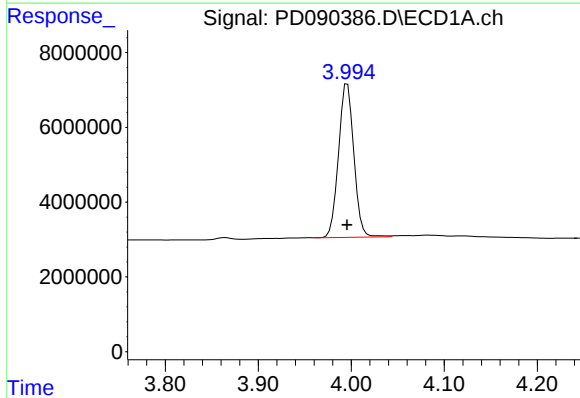
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



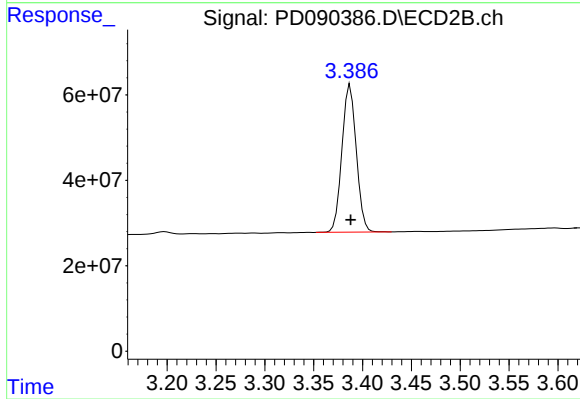
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 432056221
Conc: 15.74 ng/ml



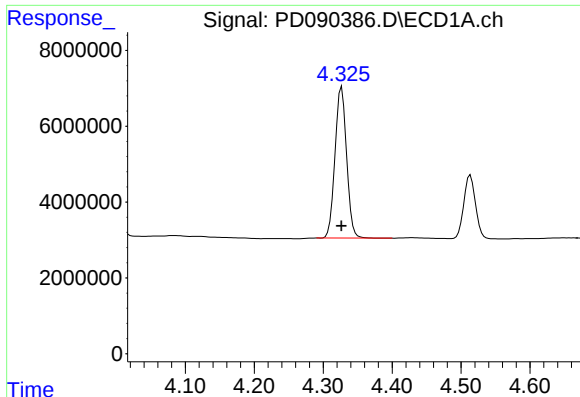
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 47001256
Conc: 6.73 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 353997558
Conc: 8.09 ng/ml



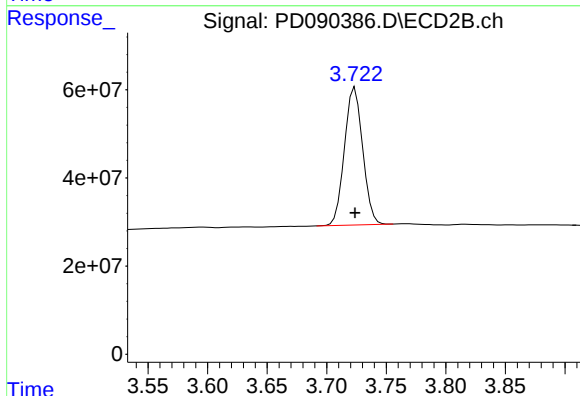
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 46503416
Conc: 7.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

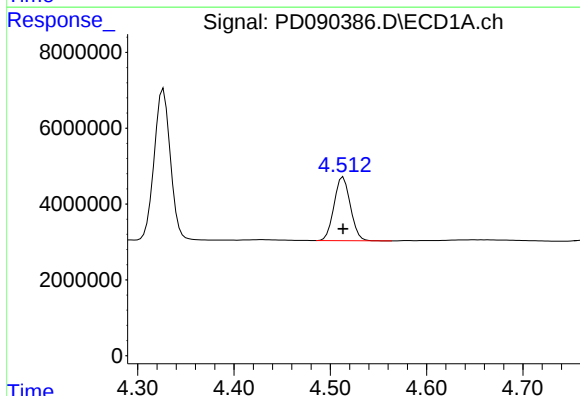
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



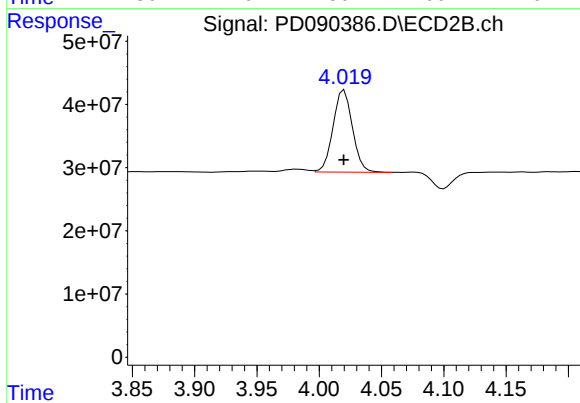
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 332690312
Conc: 8.17 ng/ml



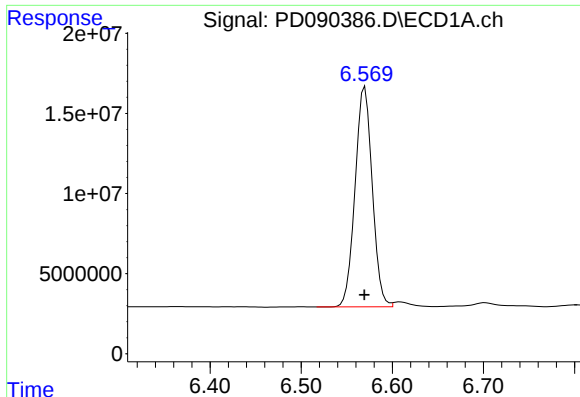
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 19823610
Conc: 7.68 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 140801820
Conc: 8.12 ng/ml m



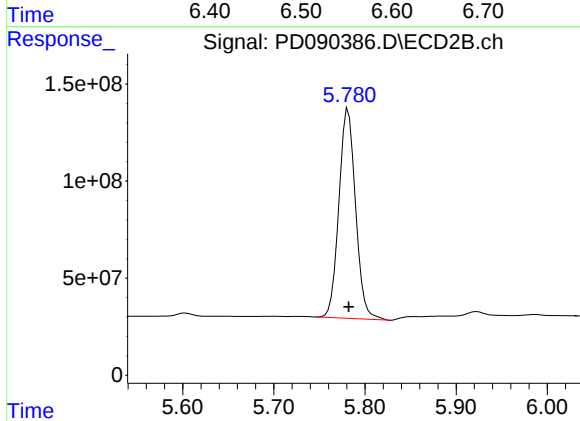
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 179707258
Conc: 36.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

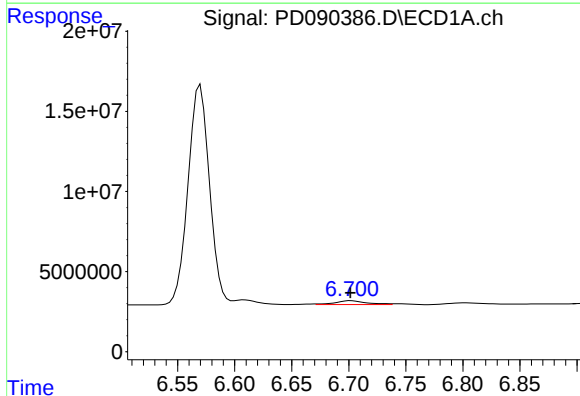
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



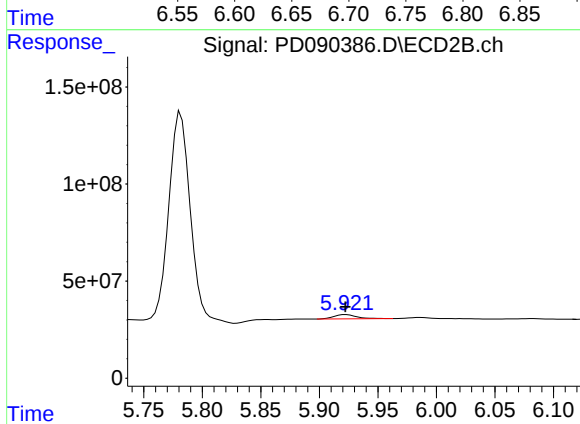
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1373314360
Conc: 38.33 ng/ml



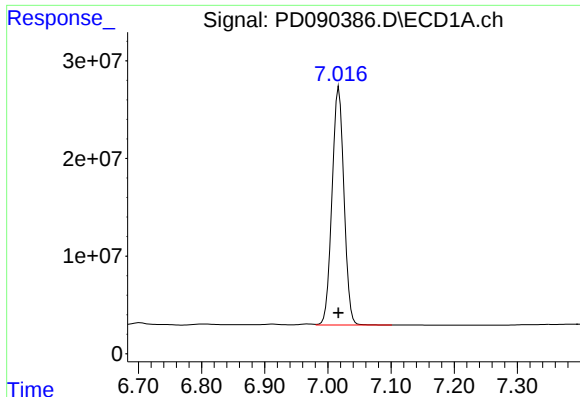
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 4674821
Conc: 1.14 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 28878372
Conc: 0.89 ng/ml



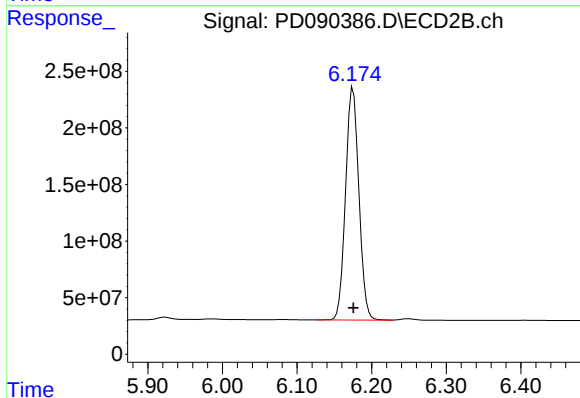
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 320845738
Conc: 72.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

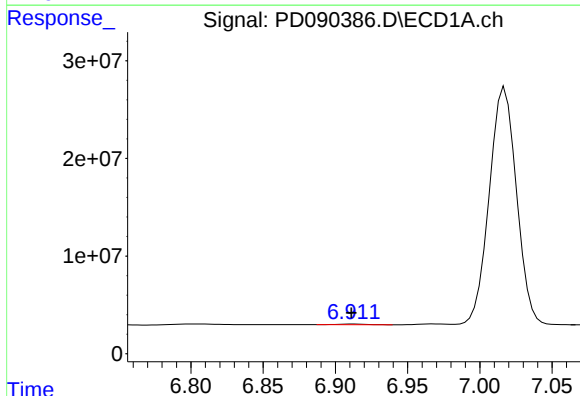
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



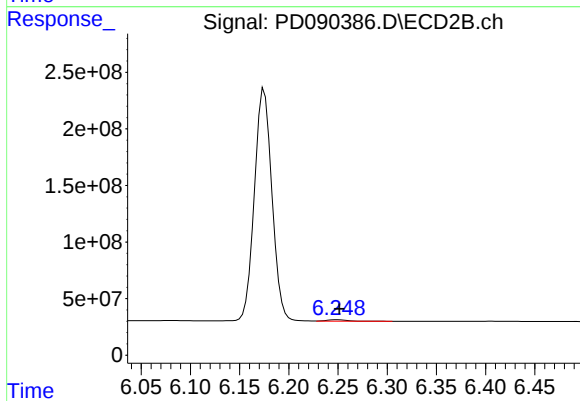
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 2549091197
Conc: 74.15 ng/ml



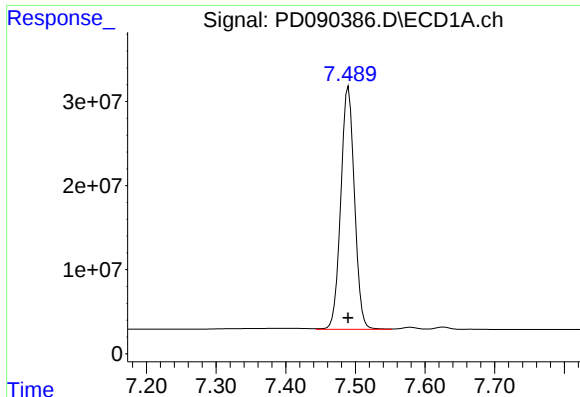
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 1024542
Conc: 0.30 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 17346216
Conc: 0.74 ng/ml



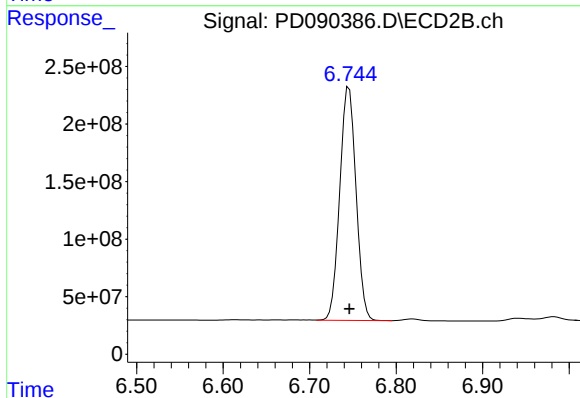
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 394791162
Conc: 167.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

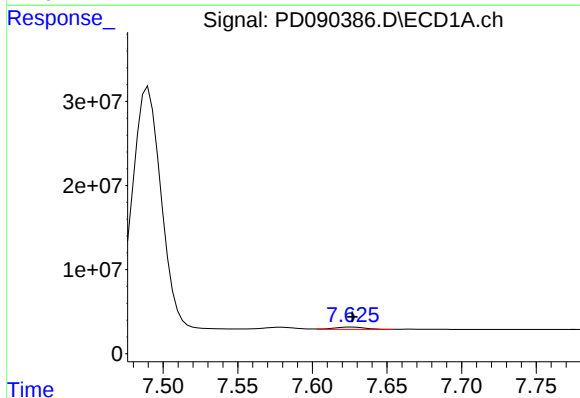
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



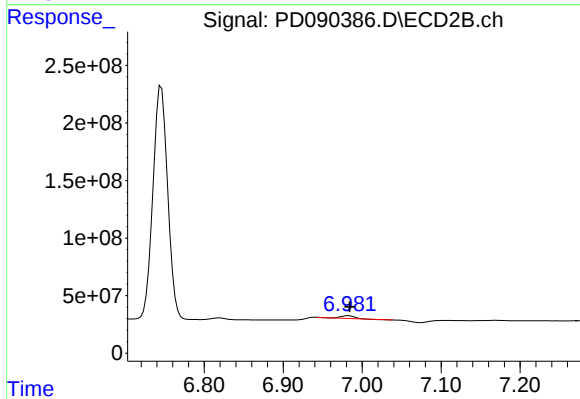
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 2636291934
Conc: 151.51 ng/ml



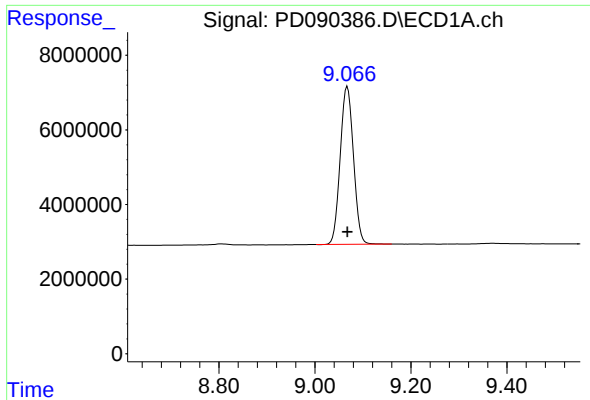
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 3931081
Conc: 0.79 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 22204883
Conc: 0.62 ng/ml



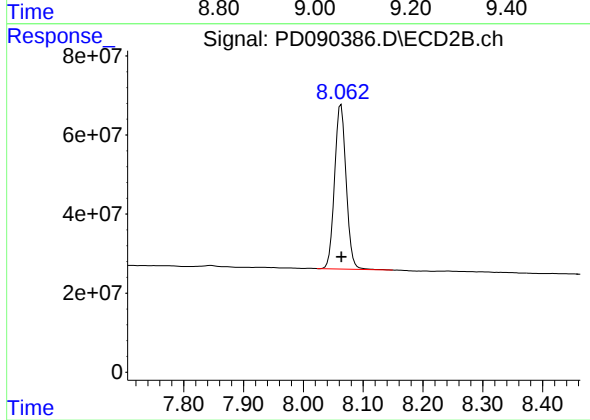
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 81088321
Conc: 16.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/26/2025
Supervised By :Sohil Jodhani 09/26/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 559683868
Conc: 17.27 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PL097269.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.000	8.900	9.100	15.660	20.000	-21.7
Tetrachloro-m-xylene	3.527	3.480	3.580	14.770	20.000	-26.2
alpha-BHC	3.974	3.920	4.020	6.930	10.000	-30.7
beta-BHC	4.489	4.440	4.540	7.340	10.000	-26.6
gamma-BHC (Lindane)	4.302	4.250	4.350	7.210	10.000	-27.9
Endrin	6.532	6.460	6.600	37.780	50.000	-24.4
4,4'-DDT	6.979	6.910	7.050	73.290	100.000	-26.7
Methoxychlor	7.452	7.380	7.520	180.320	250.000	-27.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PL097269.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.984	7.880	8.080	15.470	20.000	-22.7
Tetrachloro-m-xylene	2.824	2.770	2.870	14.550	20.000	-27.3
alpha-BHC	3.329	3.280	3.380	6.890	10.000	-31.1
beta-BHC	3.957	3.910	4.010	7.490	10.000	-25.1
gamma-BHC (Lindane)	3.660	3.610	3.710	7.000	10.000	-30.0
Endrin	5.702	5.630	5.770	36.670	50.000	-26.7
4,4'-DDT	6.102	6.030	6.170	76.460	100.000	-23.5
Methoxychlor	6.674	6.600	6.740	166.760	250.000	-33.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 16:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:42:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	66867312	95692858	14.770	14.553
28)	SA Decachlor...	9.000	7.984	51238202	88066168	15.659	15.473
Target Compounds							
2)	A alpha-BHC	3.974	3.329	48421315	68644926	6.930	6.894
3)	MA gamma-BHC...	4.302	3.660	47659315	65230882	7.207	7.003
6)	B beta-BHC	4.489	3.957	20012852	30421608	7.341	7.489
14)	MA Endrin	6.532	5.702	174.3E6	275.4E6	37.781	36.671
16)	A 4,4'-DDD	6.665	5.856	465298	1405401	0.123m	0.218m#
17)	MA 4,4'-DDT	6.979	6.102	309.8E6	529.1E6	73.292	76.458
18)	B Endrin al...	6.879	6.171	1009715	9847104	0.328m	1.845m#
20)	A Methoxychlor	7.452	6.674	376.0E6	628.6E6	180.319	166.763
21)	B Endrin ke...	7.586	6.896	1666712	2086500	0.393m	0.277m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

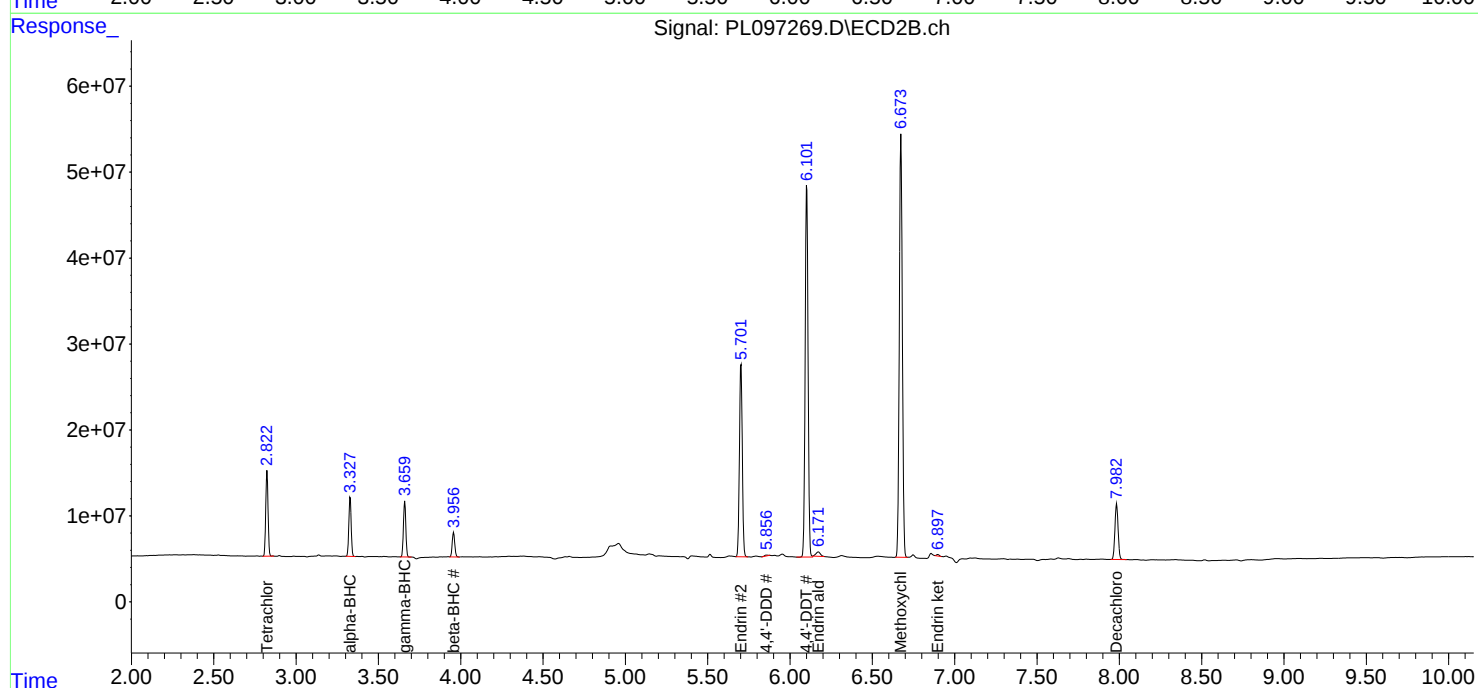
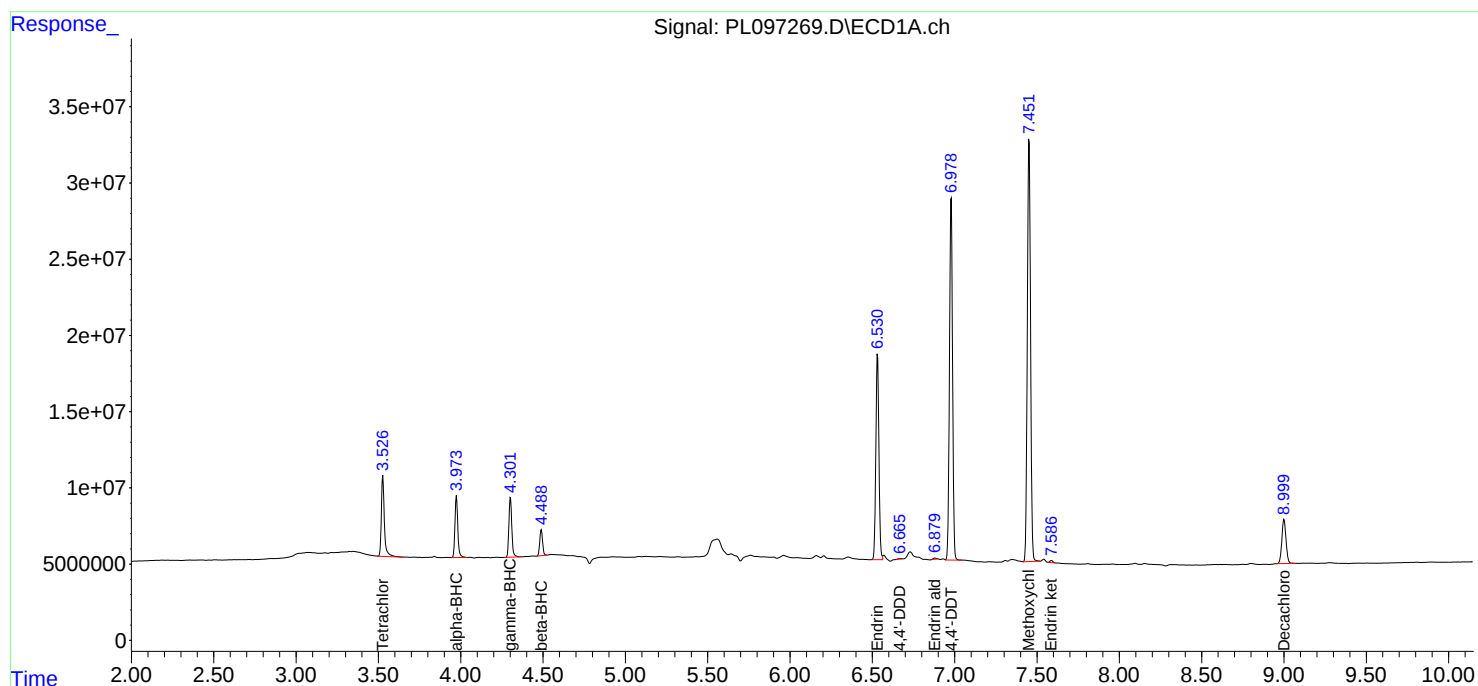
Instrument :
ECD_L
ClientSampleId :
PEM

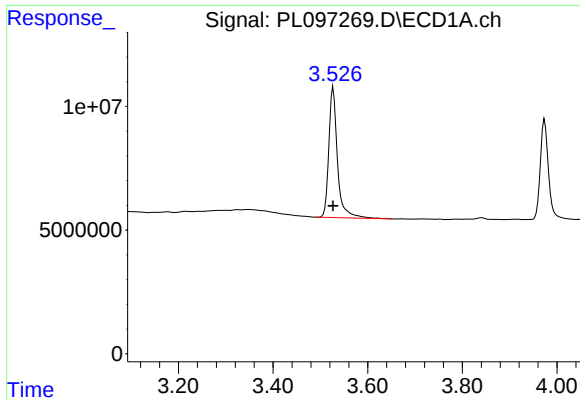
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/19/2025
Supervised By : mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





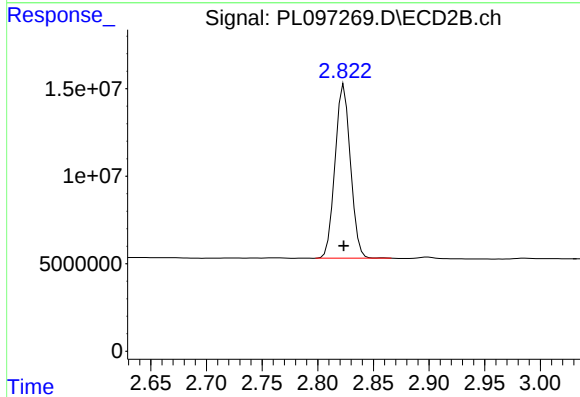
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 66867312
Conc: 14.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

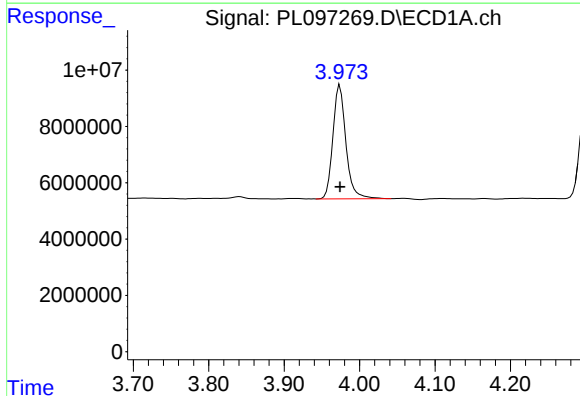
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



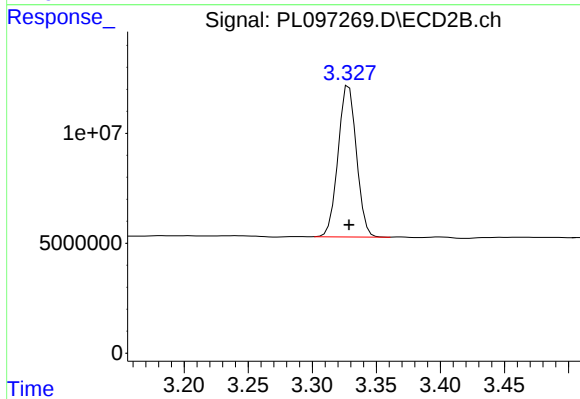
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 95692858
Conc: 14.55 ng/ml



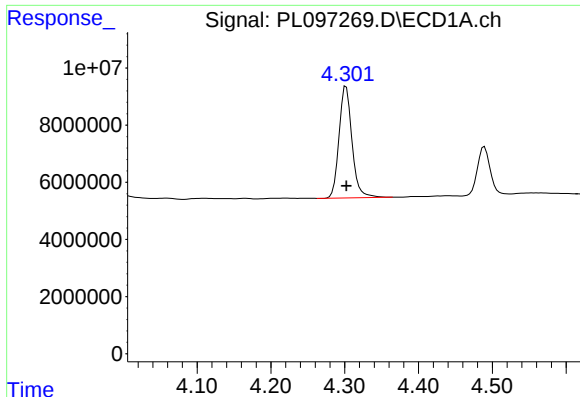
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 48421315
Conc: 6.93 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 68644926
Conc: 6.89 ng/ml



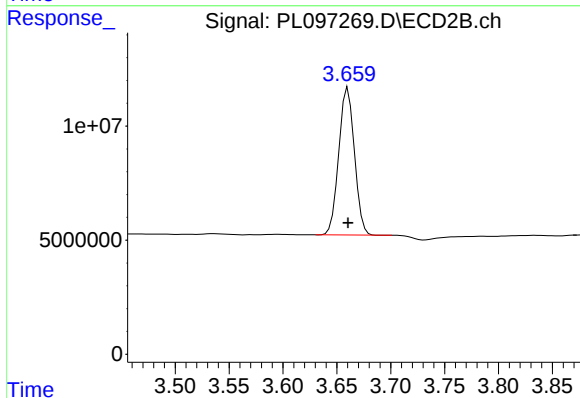
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 47659315
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

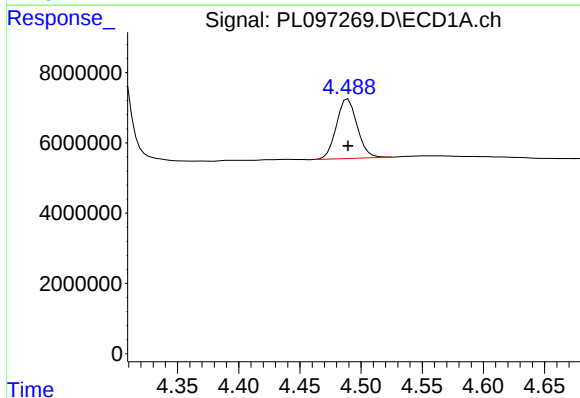
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



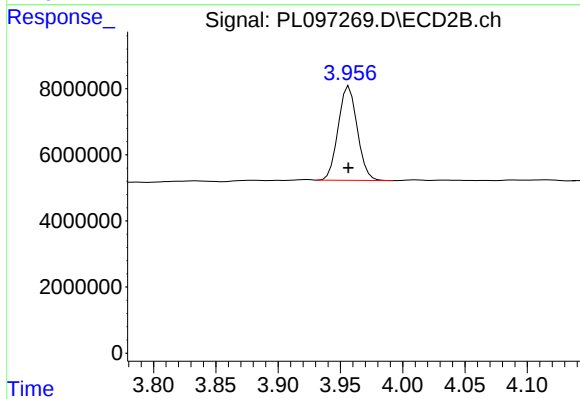
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 65230882
Conc: 7.00 ng/ml



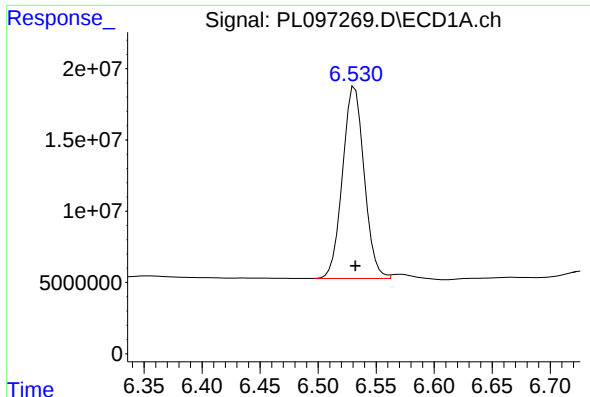
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 20012852
Conc: 7.34 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 30421608
Conc: 7.49 ng/ml



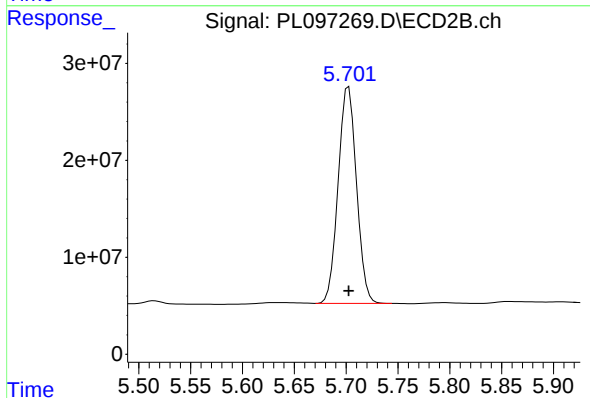
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 174289453
Conc: 37.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

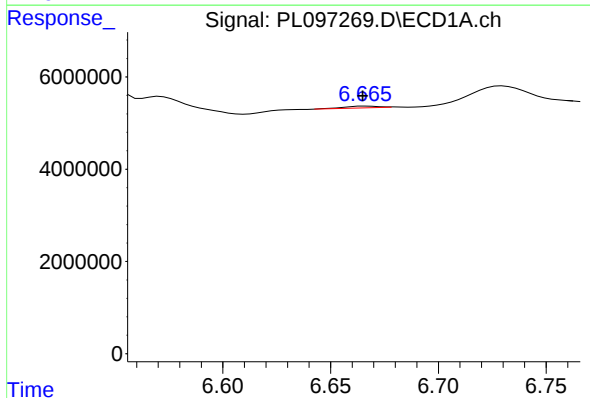
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



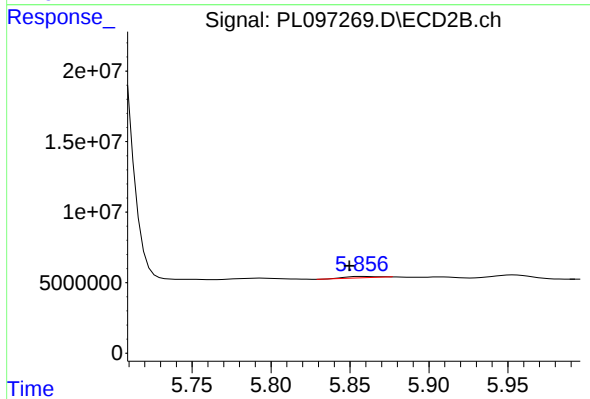
#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 275420355
Conc: 36.67 ng/ml



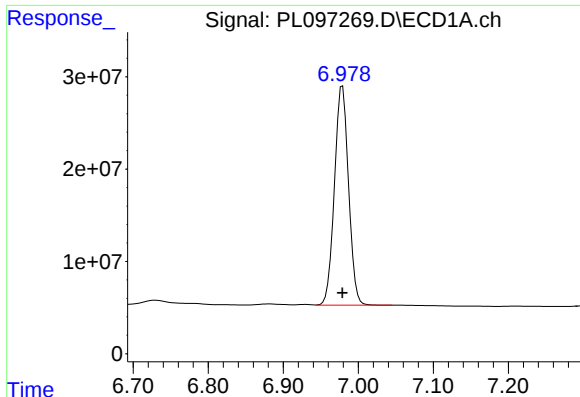
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 465298
Conc: 0.12 ng/ml m



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.006 min
Response: 1405401
Conc: 0.22 ng/ml m



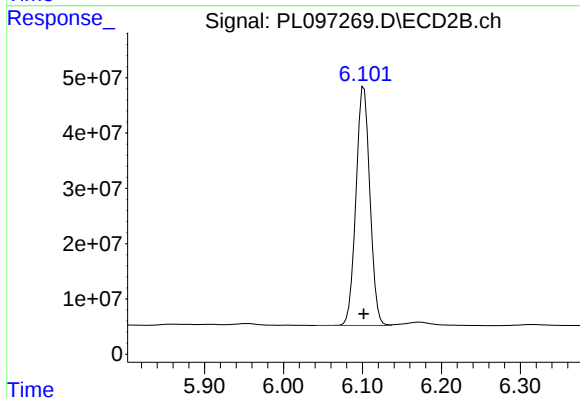
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 309821332
Conc: 73.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

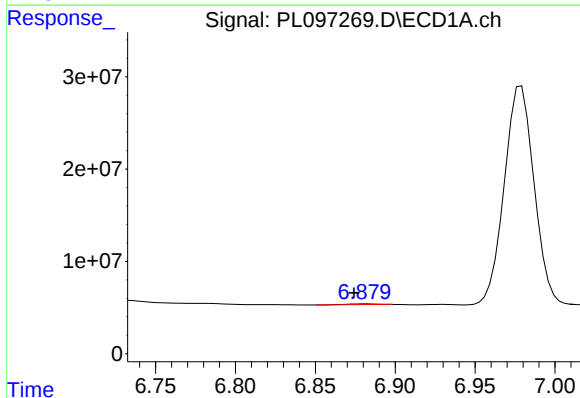
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



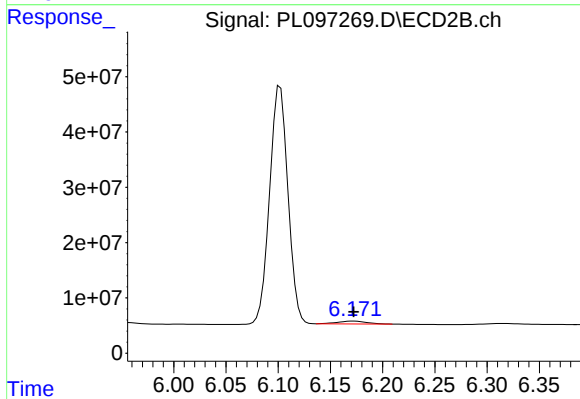
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 529123463
Conc: 76.46 ng/ml



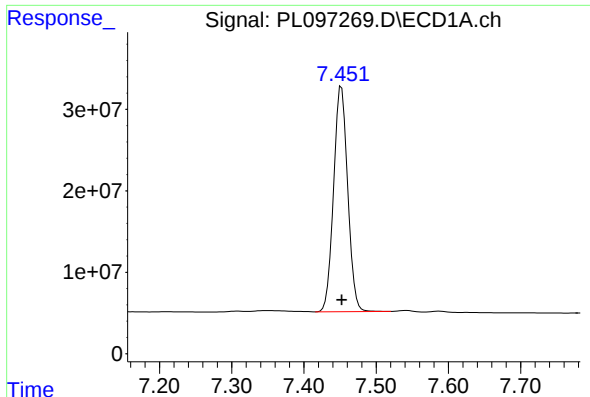
#18 Endrin aldehyde

R.T.: 6.879 min
Delta R.T.: 0.005 min
Response: 1009715
Conc: 0.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 9847104
Conc: 1.84 ng/ml m



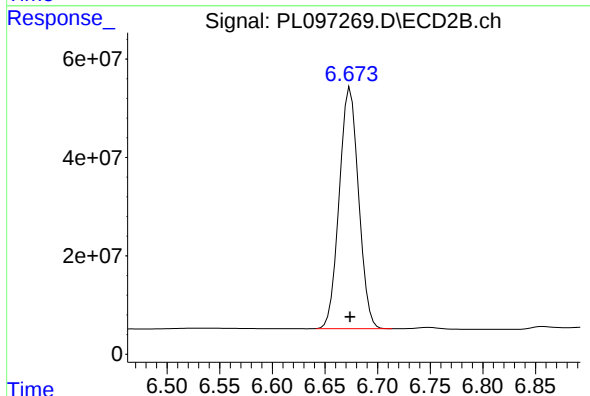
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 376032835
Conc: 180.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

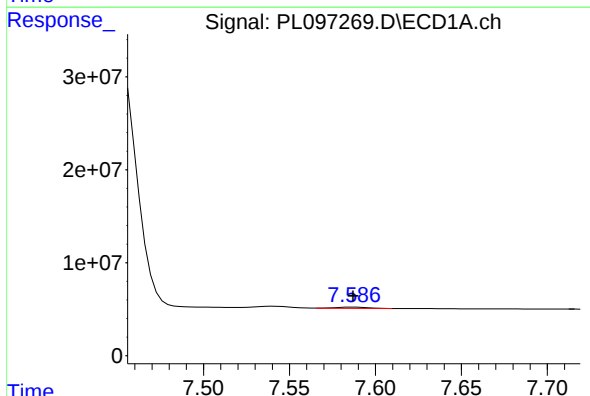
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



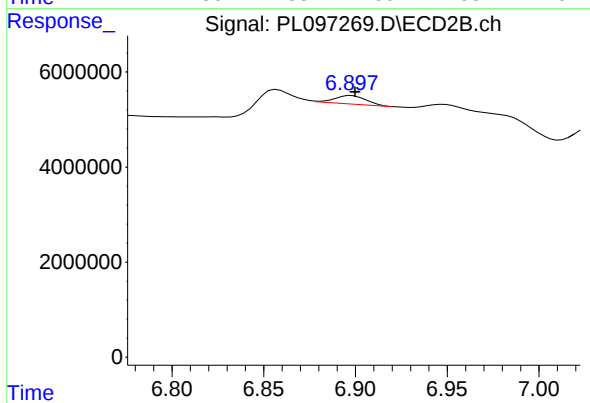
#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 628607550
Conc: 166.76 ng/ml



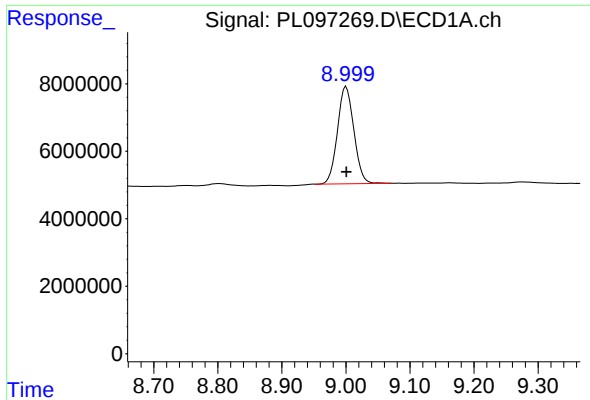
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: 0.000 min
Response: 1666712
Conc: 0.39 ng/ml m



#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.003 min
Response: 2086500
Conc: 0.28 ng/ml m



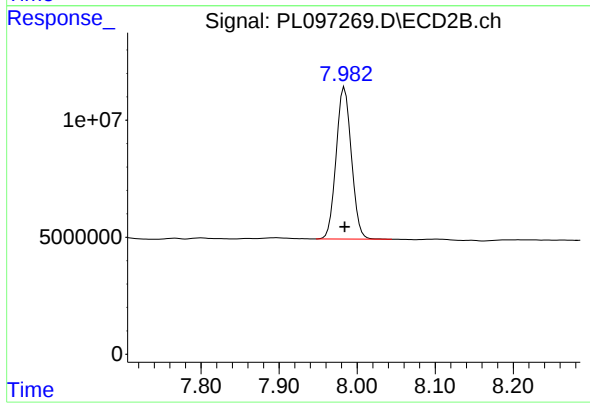
#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 51238202
Conc: 15.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 88066168
Conc: 15.47 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PL097435.D Date Analyzed: 09/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:43

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.998	8.900	9.100	19.770	20.000	-1.2
Tetrachloro-m-xylene	3.526	3.480	3.580	17.870	20.000	-10.7
alpha-BHC	3.973	3.920	4.020	8.250	10.000	-17.5
beta-BHC	4.488	4.440	4.540	8.790	10.000	-12.1
gamma-BHC (Lindane)	4.300	4.250	4.350	8.430	10.000	-15.7
Endrin	6.530	6.460	6.600	45.760	50.000	-8.5
4,4'-DDT	6.977	6.910	7.050	76.110	100.000	-23.9
Methoxychlor	7.450	7.380	7.520	181.100	250.000	-27.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PL097435.D Date Analyzed: 09/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:43

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.982	7.880	8.080	17.850	20.000	-10.8
Tetrachloro-m-xylene	2.824	2.770	2.870	16.920	20.000	-15.4
alpha-BHC	3.328	3.280	3.380	7.850	10.000	-21.5
beta-BHC	3.956	3.910	4.010	8.500	10.000	-15.0
gamma-BHC (Lindane)	3.660	3.610	3.710	7.850	10.000	-21.5
Endrin	5.701	5.630	5.770	44.270	50.000	-11.5
4,4'-DDT	6.100	6.030	6.170	71.900	100.000	-28.1
Methoxychlor	6.672	6.600	6.740	154.510	250.000	-38.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097435.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 09:43
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 12:42:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.824	80891965	111.3E6	17.868	16.925
28)	SA Decachlor...	8.998	7.982	64705053	101.6E6	19.774	17.845
Target Compounds							
2)	A alpha-BHC	3.973	3.328	57620969	78147912	8.246	7.848
3)	MA gamma-BHC...	4.300	3.660	55774263	73099098	8.434	7.848
6)	B beta-BHC	4.488	3.956	23963952	34513124	8.790	8.497
12)	B 4,4'-DDE	6.154	5.294	1509539	1375764	0.317m	0.179m#
14)	MA Endrin	6.530	5.701	211.1E6	332.5E6	45.758	44.273
16)	A 4,4'-DDD	6.663	5.847	15470039	20110616	4.103	3.118
17)	MA 4,4'-DDT	6.977	6.100	321.7E6	497.6E6	76.106	71.902
18)	B Endrin al...	6.873	6.172	2503368	3355368	0.812m	0.629m
20)	A Methoxychlor	7.450	6.672	377.7E6	582.4E6	181.103	154.514
21)	B Endrin ke...	7.585	6.895	5207541	8779587	1.227	1.166m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 09:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

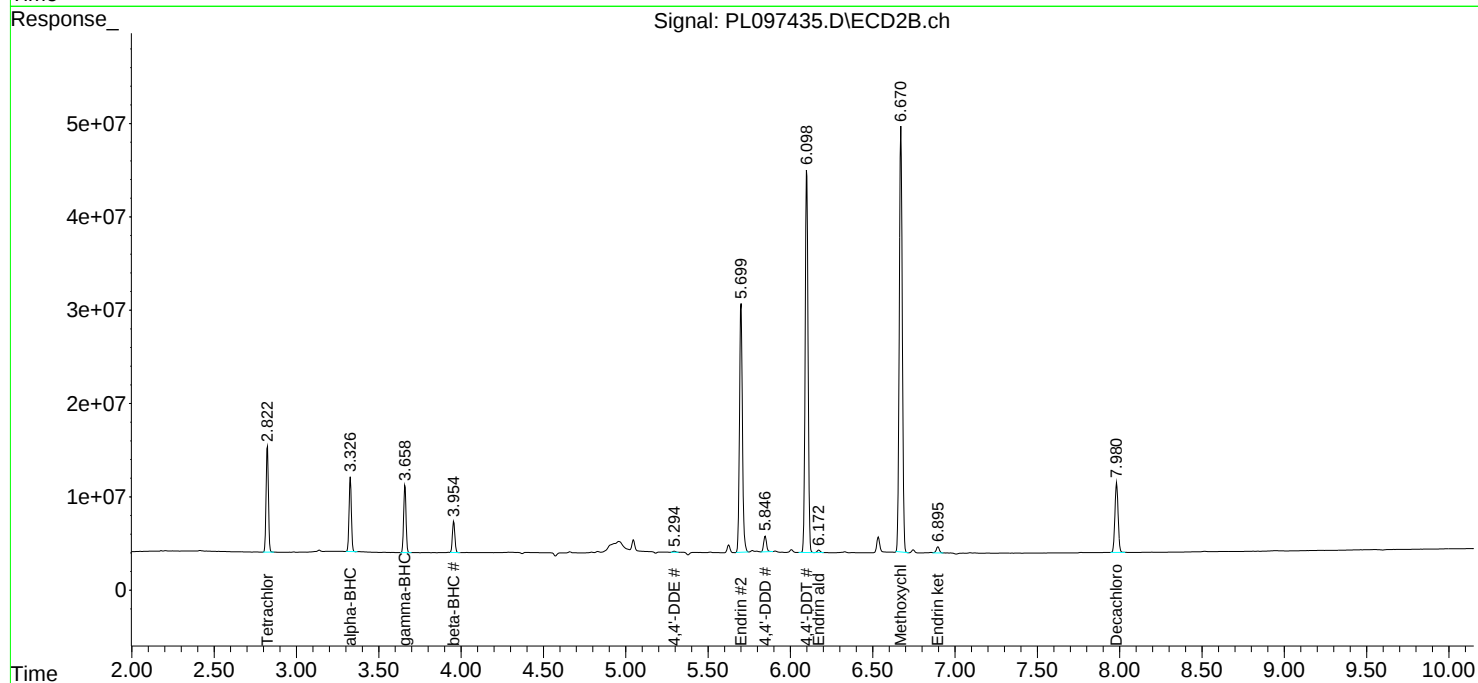
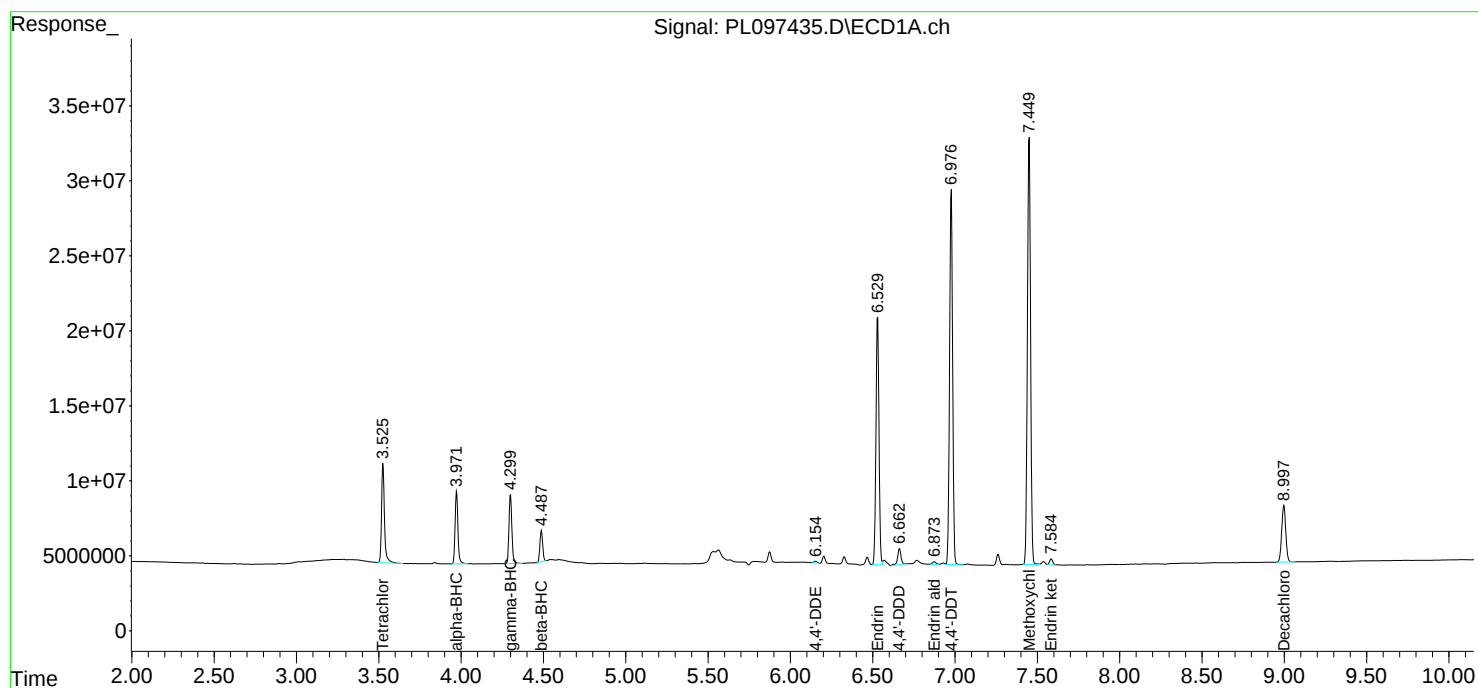
Instrument :
ECD_L
ClientSampleId :
PEM

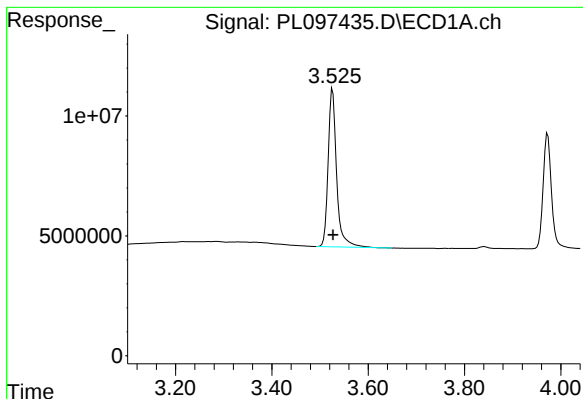
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/01/2025
Supervised By : Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:42:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





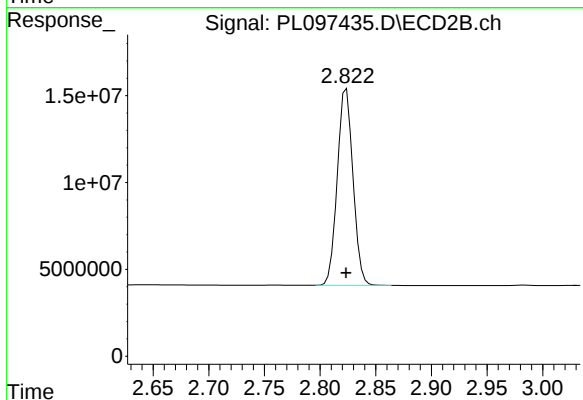
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 80891965
Conc: 17.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

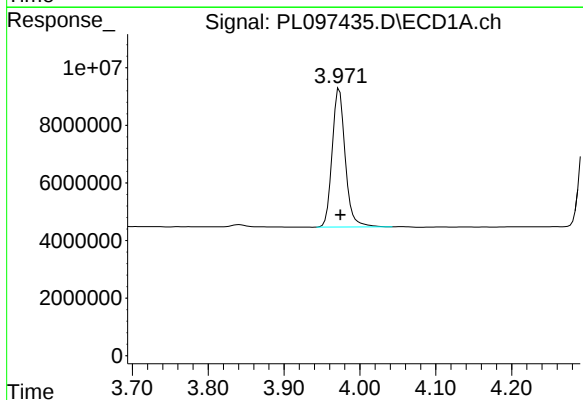
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



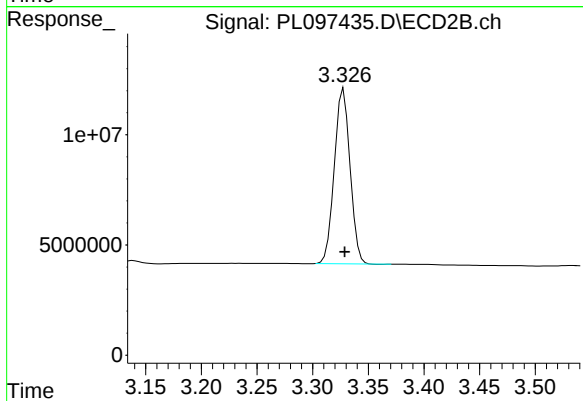
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 111288691
Conc: 16.92 ng/ml



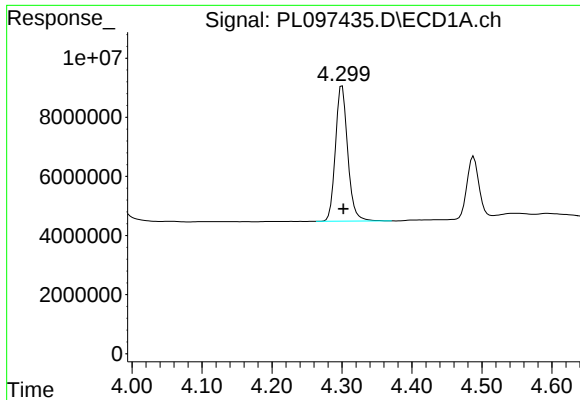
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 57620969
Conc: 8.25 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 78147912
Conc: 7.85 ng/ml



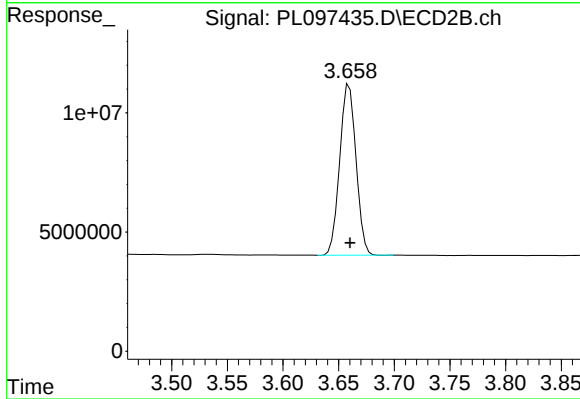
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.002 min
Response: 55774263
Conc: 8.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

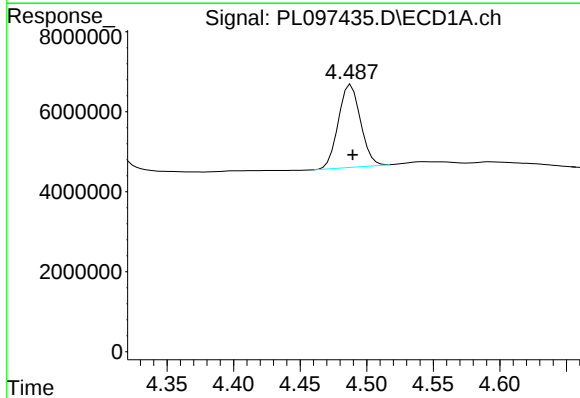
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



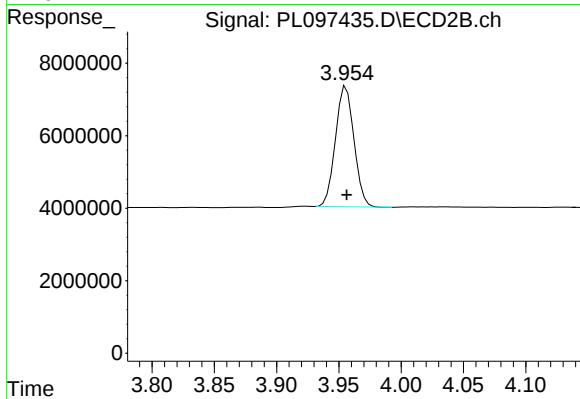
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 73099098
Conc: 7.85 ng/ml



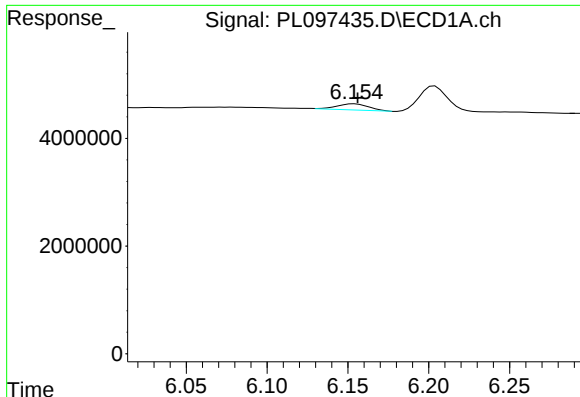
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 23963952
Conc: 8.79 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 34513124
Conc: 8.50 ng/ml



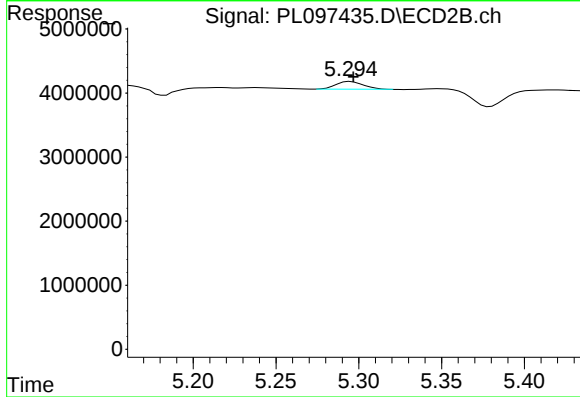
#12 4,4'-DDE

R.T.: 6.154 min
Delta R.T.: -0.002 min
Response: 1509539
Conc: 0.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

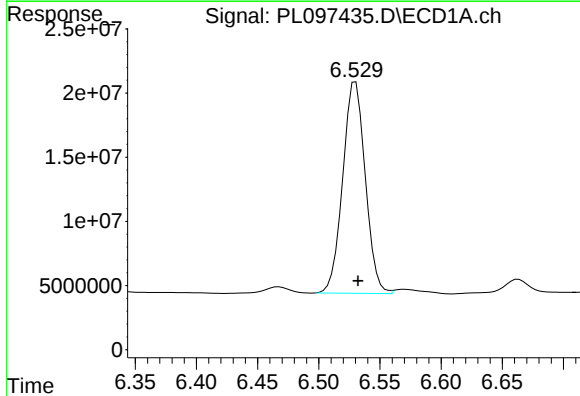
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



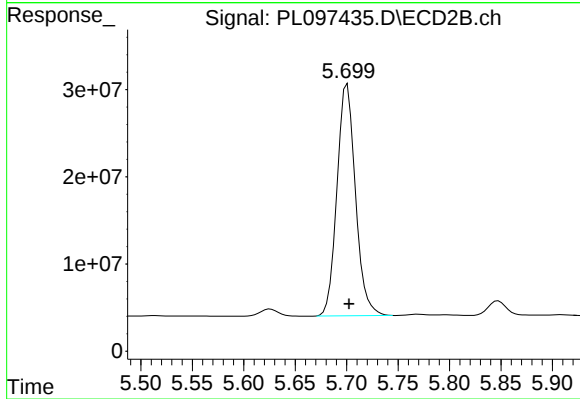
#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 1375764
Conc: 0.18 ng/ml m



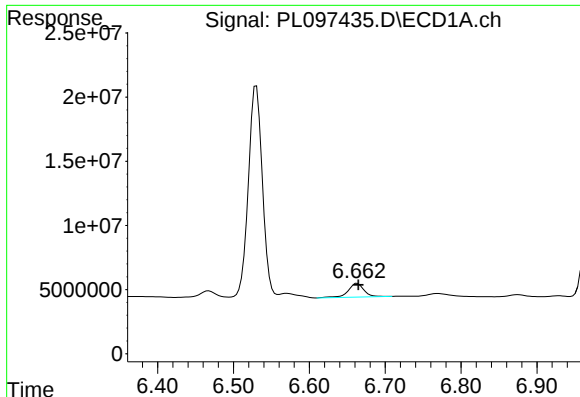
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 211089894
Conc: 45.76 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 332509939
Conc: 44.27 ng/ml



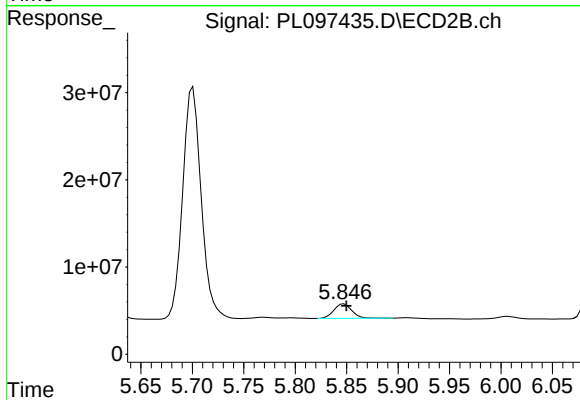
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 15470039
Conc: 4.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

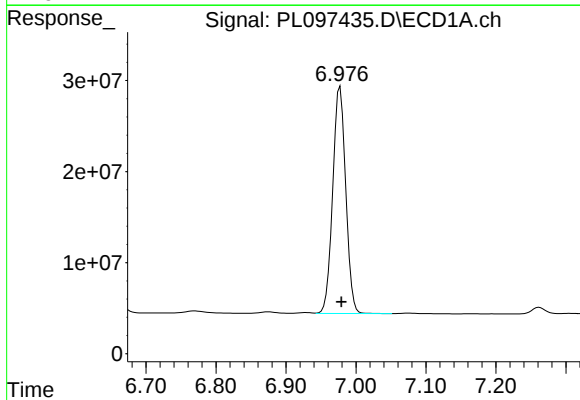
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



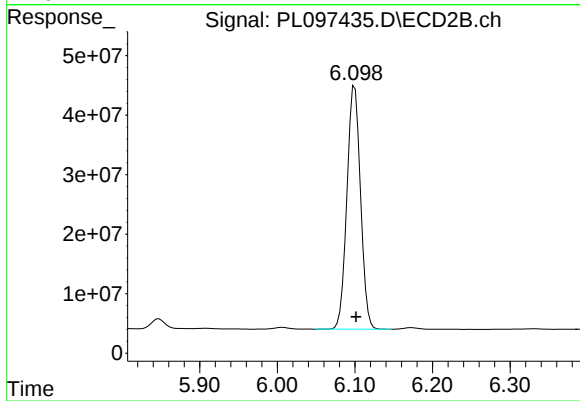
#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.002 min
Response: 20110616
Conc: 3.12 ng/ml



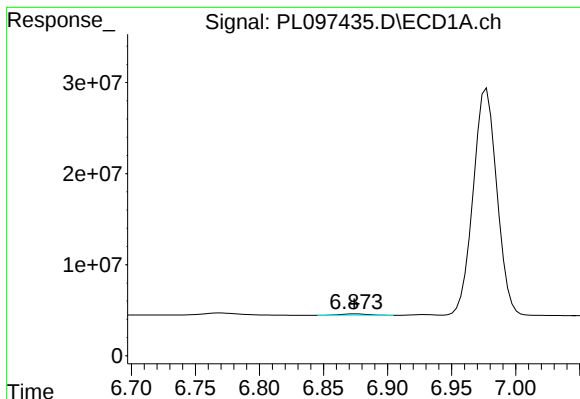
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 321713982
Conc: 76.11 ng/ml



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.002 min
Response: 497599419
Conc: 71.90 ng/ml



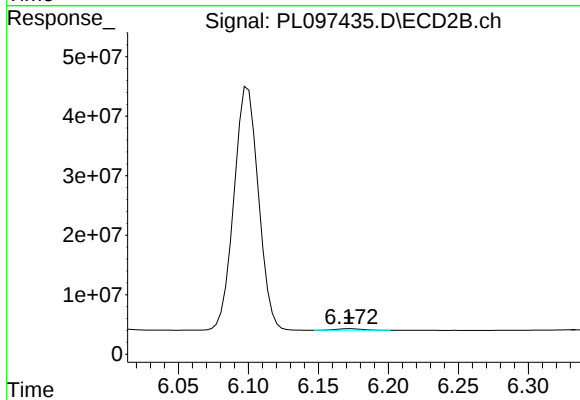
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: 0.000 min
Response: 2503368
Conc: 0.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

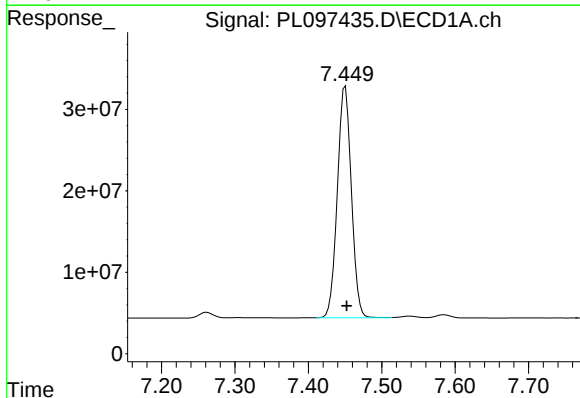
Manual Integrations
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Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



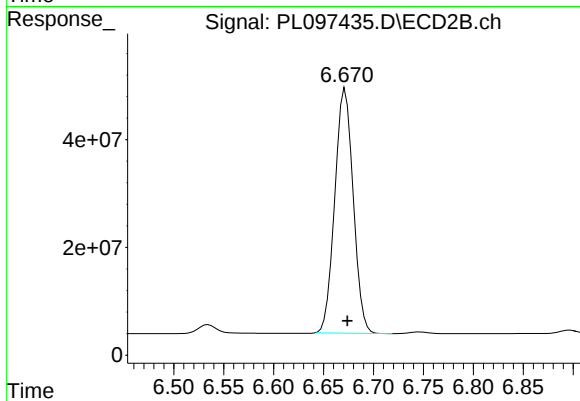
#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 3355368
Conc: 0.63 ng/ml m



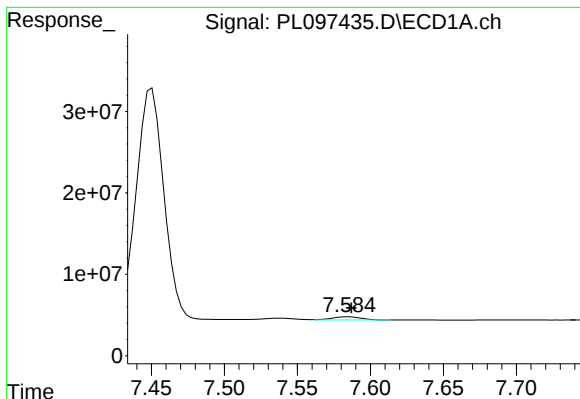
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.002 min
Response: 377668214
Conc: 181.10 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 582438087
Conc: 154.51 ng/ml



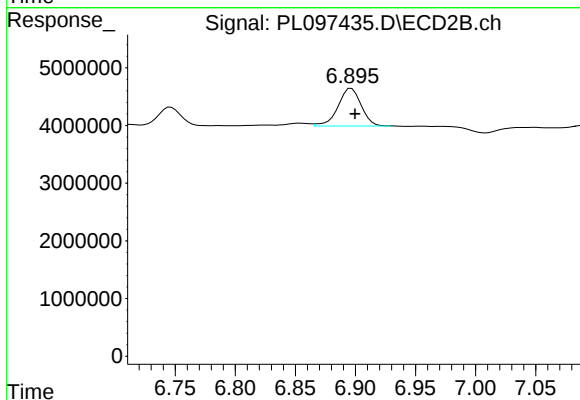
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.002 min
Response: 5207541
Conc: 1.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

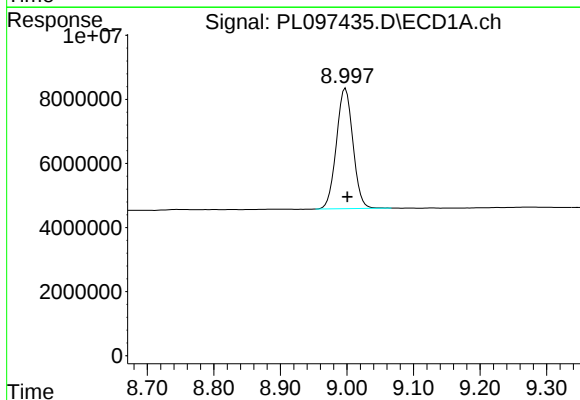
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



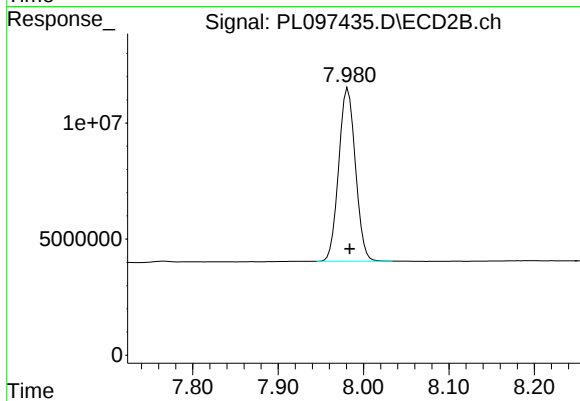
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.005 min
Response: 8779587
Conc: 1.17 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.003 min
Response: 64705053
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 101568680
Conc: 17.85 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3176

Project: RFP 916

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/18/2025	09:49	PD090327.D	9.07	3.55
PEM	PEM	09/18/2025	10:03	PD090328.D	9.07	3.55
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	9.07	3.55
PSTDICC100	PSTDICC100	09/18/2025	10:30	PD090330.D	9.07	3.55
PSTDICC075	PSTDICC075	09/18/2025	10:43	PD090331.D	9.07	3.55
PSTDICC050	PSTDICC050	09/18/2025	10:57	PD090332.D	9.07	3.55
PSTDICC025	PSTDICC025	09/18/2025	11:11	PD090333.D	9.07	3.55
PSTDICC005	PSTDICC005	09/18/2025	11:24	PD090334.D	9.07	3.55
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	9.07	3.55
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	9.07	3.55
IBLK	IBLK	09/25/2025	10:12	PD090385.D	9.07	3.55
PEM	PEM	09/25/2025	10:54	PD090386.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/25/2025	11:17	PD090387.D	9.08	3.55
PB169826BL	PB169826BL	09/25/2025	13:31	PD090388.D	9.08	3.55
PB169826BS	PB169826BS	09/25/2025	16:12	PD090394.D	9.08	3.55
IBLK	IBLK	09/25/2025	16:27	PD090395.D	9.07	3.55
PSTDCCC050	PSTDCCC050	09/25/2025	16:59	PD090396.D	9.08	3.55
IBLK	IBLK	09/18/2025	16:25	PL097268.D	9.00	3.53
PEM	PEM	09/18/2025	16:39	PL097269.D	9.00	3.53
RESCHK	RESCHK	09/18/2025	16:52	PL097270.D	9.00	3.53
PSTDICC100	PSTDICC100	09/18/2025	17:06	PL097271.D	9.00	3.53
PSTDICC075	PSTDICC075	09/18/2025	17:19	PL097272.D	9.00	3.53
PSTDICC050	PSTDICC050	09/18/2025	17:33	PL097273.D	9.00	3.53
PSTDICC025	PSTDICC025	09/18/2025	17:47	PL097274.D	9.00	3.53
PSTDICC005	PSTDICC005	09/18/2025	18:00	PL097275.D	9.00	3.53
PCHLORICC500	PCHLORICC500	09/18/2025	18:41	PL097278.D	9.00	3.53
PTOXICC500	PTOXICC500	09/18/2025	19:49	PL097283.D	9.00	3.53
IBLK	IBLK	09/30/2025	09:29	PL097434.D	9.00	3.53
PEM	PEM	09/30/2025	09:43	PL097435.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/30/2025	12:10	PL097436.D	9.00	3.53
EME-TS12-01	Q3176-01	09/30/2025	12:41	PL097438.D	9.00	3.52
EME-TS13-01	Q3176-02	09/30/2025	12:55	PL097439.D	9.00	3.53
EME-TS14-02	Q3176-03	09/30/2025	13:08	PL097440.D	9.00	3.52
EME-TS14-01MS	Q3178-02MS	09/30/2025	14:03	PL097444.D	9.00	3.53
EME-TS14-01MSD	Q3178-03MSD	09/30/2025	14:16	PL097445.D	9.00	3.53
IBLK	IBLK	09/30/2025	16:03	PL097448.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/30/2025	16:32	PL097449.D	9.00	3.53

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3176

Project: RFP 916

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025

09/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/18/2025	09:49	PD090327.D	8.06	2.88
PEM	PEM	09/18/2025	10:03	PD090328.D	8.06	2.88
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	8.06	2.88
PSTDICC100	PSTDICC100	09/18/2025	10:30	PD090330.D	8.06	2.88
PSTDICC075	PSTDICC075	09/18/2025	10:43	PD090331.D	8.06	2.88
PSTDICC050	PSTDICC050	09/18/2025	10:57	PD090332.D	8.06	2.88
PSTDICC025	PSTDICC025	09/18/2025	11:11	PD090333.D	8.06	2.88
PSTDICC005	PSTDICC005	09/18/2025	11:24	PD090334.D	8.06	2.88
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	8.06	2.88
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	8.06	2.88
IBLK	IBLK	09/25/2025	10:12	PD090385.D	8.06	2.88
PEM	PEM	09/25/2025	10:54	PD090386.D	8.06	2.88
PSTDCCC050050	PSTDCCC050050	09/25/2025	11:17	PD090387.D	8.07	2.88
PB169826BL	PB169826BL	09/25/2025	13:31	PD090388.D	8.07	2.87
PB169826BS	PB169826BS	09/25/2025	16:12	PD090394.D	8.07	2.88
IBLK	IBLK	09/25/2025	16:27	PD090395.D	8.07	2.88
PSTDCCC050	PSTDCCC050	09/25/2025	16:59	PD090396.D	8.07	2.88
IBLK	IBLK	09/18/2025	16:25	PL097268.D	7.98	2.82
PEM	PEM	09/18/2025	16:39	PL097269.D	7.98	2.82
RESCHK	RESCHK	09/18/2025	16:52	PL097270.D	7.98	2.82
PSTDICC100	PSTDICC100	09/18/2025	17:06	PL097271.D	7.98	2.82
PSTDICC075	PSTDICC075	09/18/2025	17:19	PL097272.D	7.99	2.82
PSTDICC050	PSTDICC050	09/18/2025	17:33	PL097273.D	7.98	2.82
PSTDICC025	PSTDICC025	09/18/2025	17:47	PL097274.D	7.98	2.82
PSTDICC005	PSTDICC005	09/18/2025	18:00	PL097275.D	7.98	2.82
PCHLORICC500	PCHLORICC500	09/18/2025	18:41	PL097278.D	7.98	2.82
PTOXICC500	PTOXICC500	09/18/2025	19:49	PL097283.D	7.99	2.82
IBLK	IBLK	09/30/2025	09:29	PL097434.D	7.98	2.82
PEM	PEM	09/30/2025	09:43	PL097435.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/30/2025	12:10	PL097436.D	7.98	2.82
EME-TS12-01	Q3176-01	09/30/2025	12:41	PL097438.D	7.98	2.82
EME-TS13-01	Q3176-02	09/30/2025	12:55	PL097439.D	7.98	2.82
EME-TS14-02	Q3176-03	09/30/2025	13:08	PL097440.D	7.98	2.82
EME-TS14-01MS	Q3178-02MS	09/30/2025	14:03	PL097444.D	7.98	2.82
EME-TS14-01MSD	Q3178-03MSD	09/30/2025	14:16	PL097445.D	7.98	2.82
IBLK	IBLK	09/30/2025	16:03	PL097448.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/30/2025	16:32	PL097449.D	7.98	2.82

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS12-01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3176-01

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.66	6.61	6.71	1.80	57.1
	2	5.85	5.80	5.90	1.00	
4,4'-DDT	1	6.98	6.93	7.03	0.37	17.3
	2	6.10	6.05	6.15	0.44	
gamma-Chlordane	1	5.90	5.85	5.95	0.60	43.7
	2	5.04	4.99	5.09	0.39	
alpha-Chlordane	1	5.99	5.94	6.04	1.10	53.7
	2	5.10	5.05	5.15	0.63	
4,4'-DDE	1	6.15	6.10	6.20	0.53	8.1
	2	5.29	5.24	5.34	0.58	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS13-01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3176-02

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.66	6.61	6.71	1.10	29.6
	2	5.85	5.80	5.90	0.82	
4,4'-DDT	1	6.98	6.93	7.03	0.36	7
	2	6.10	6.05	6.15	0.34	
gamma-Chlordane	1	5.90	5.85	5.95	0.75	8.6
	2	5.04	4.99	5.09	0.82	
alpha-Chlordane	1	5.99	5.94	6.04	1.20	74.4
	2	5.11	5.06	5.16	0.55	
4,4'-DDE	1	6.15	6.10	6.20	0.43	13.2
	2	5.29	5.24	5.34	0.38	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3178-02MS

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.74	6.69	6.79	10.7	11.9
	2	5.99	5.94	6.04	9.50	
4,4'-DDD	1	6.66	6.61	6.71	12.0	22.2
	2	5.85	5.80	5.90	9.60	
4,4'-DDT	1	6.98	6.93	7.03	10.2	34.5
	2	6.10	6.05	6.15	7.20	
Endrin aldehyde	1	6.87	6.82	6.92	6.20	29.6
	2	6.17	6.12	6.22	4.60	
Endosulfan sulfate	1	7.11	7.06	7.16	10.5	32
	2	6.39	6.34	6.44	7.60	
Methoxychlor	1	7.45	7.40	7.50	9.60	29.9
	2	6.67	6.62	6.72	7.10	
Endrin ketone	1	7.58	7.53	7.63	12.1	35
	2	6.90	6.85	6.95	8.50	
alpha-BHC	1	3.97	3.92	4.02	12.8	3.1
	2	3.33	3.28	3.38	13.2	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	9.60	4.1
	2	3.66	3.61	3.71	10.0	
Heptachlor	1	4.89	4.84	4.94	9.00	3.3
	2	4.01	3.96	4.06	9.30	
Aldrin	1	5.23	5.18	5.28	11.3	6
	2	4.29	4.24	4.34	12.0	
beta-BHC	1	4.49	4.44	4.54	12.6	2.4
	2	3.96	3.91	4.01	12.3	
delta-BHC	1	4.73	4.68	4.78	10.6	6.8
	2	4.19	4.14	4.24	9.90	
Heptachlor epoxide	1	5.65	5.60	5.70	11.6	0.9
	2	4.79	4.74	4.84	11.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3178-02MS

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.03	5.98	6.08	12.6	19.1
	2	5.16	5.11	5.21	10.4	
gamma-Chlordane	1	5.90	5.85	5.95	13.0	13.1
	2	5.04	4.99	5.09	11.4	
alpha-Chlordane	1	5.98	5.93	6.03	12.2	8.5
	2	5.11	5.06	5.16	11.2	
4,4'-DDE	1	6.15	6.10	6.20	12.7	10.8
	2	5.30	5.25	5.35	11.4	
Dieldrin	1	6.30	6.25	6.35	11.4	5.4
	2	5.43	5.38	5.48	10.8	
Endrin	1	6.53	6.48	6.58	11.6	10.9
	2	5.70	5.65	5.75	10.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3178-03MSD

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.74	6.69	6.79	13.2	6.2
	2	5.99	5.94	6.04	12.4	
4,4'-DDD	1	6.66	6.61	6.71	16.2	23.4
	2	5.85	5.80	5.90	12.8	
4,4'-DDT	1	6.98	6.93	7.03	11.7	21.8
	2	6.10	6.05	6.15	9.40	
Endrin aldehyde	1	6.87	6.82	6.92	6.30	29.1
	2	6.17	6.12	6.22	4.70	
Endosulfan sulfate	1	7.11	7.06	7.16	12.6	17.2
	2	6.39	6.34	6.44	10.6	
Methoxychlor	1	7.45	7.40	7.50	10.8	12.8
	2	6.67	6.62	6.72	9.50	
Endrin ketone	1	7.58	7.53	7.63	15.0	40
	2	6.90	6.85	6.95	10.0	
alpha-BHC	1	3.97	3.92	4.02	16.2	0
	2	3.33	3.28	3.38	16.2	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	4.10	2.5
	2	3.66	3.61	3.71	4.00	
Heptachlor	1	4.89	4.84	4.94	6.50	1.6
	2	4.01	3.96	4.06	6.40	
Aldrin	1	5.23	5.18	5.28	14.6	6
	2	4.29	4.24	4.34	15.5	
beta-BHC	1	4.49	4.44	4.54	15.7	2.6
	2	3.96	3.91	4.01	15.3	
delta-BHC	1	4.73	4.68	4.78	13.9	2.2
	2	4.19	4.14	4.24	13.6	
Heptachlor epoxide	1	5.65	5.60	5.70	14.7	2.7
	2	4.79	4.74	4.84	15.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3178-03MSD

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.03	5.98	6.08	14.6	10.8
	2	5.16	5.11	5.21	13.1	
gamma-Chlordane	1	5.90	5.85	5.95	15.8	5.9
	2	5.04	4.99	5.09	14.9	
alpha-Chlordane	1	5.98	5.93	6.03	15.3	4.7
	2	5.11	5.06	5.16	14.6	
4,4'-DDE	1	6.15	6.10	6.20	16.4	13.7
	2	5.30	5.25	5.35	14.3	
Dieldrin	1	6.30	6.25	6.35	14.5	1.4
	2	5.43	5.38	5.48	14.7	
Endrin	1	6.53	6.48	6.58	14.7	10.3
	2	5.70	5.65	5.75	16.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

EME-TS14-02

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: Q3176-03

Date(s) Analyzed: 09/30/2025 09/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
alpha-Chlordane	1	5.99	5.94	6.04	0.73	86
	2	5.11	5.06	5.16	0.29	
4,4'-DDE	1	6.15	6.10	6.20	0.35	17.9
	2	5.29	5.24	5.34	0.29	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169826BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: PB169826BS

Date(s) Analyzed: 09/25/2025 09/25/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	15.2	0.7
	2	5.92	5.87	5.97	15.3	
4,4'-DDE	1	6.20	6.15	6.25	15.0	1.3
	2	5.37	5.32	5.42	15.2	
4,4'-DDT	1	7.02	6.97	7.07	15.9	0.6
	2	6.18	6.13	6.23	16.0	
alpha-BHC	1	4.00	3.95	4.05	15.1	0.7
	2	3.39	3.34	3.44	15.2	
Aldrin	1	5.27	5.22	5.32	15.0	1.3
	2	4.36	4.31	4.41	15.2	
alpha-Chlordane	1	6.03	5.98	6.08	14.9	2
	2	5.18	5.13	5.23	15.2	
Endosulfan II	1	6.79	6.74	6.84	15.2	0
	2	6.07	6.02	6.12	15.2	
Endosulfan sulfate	1	7.15	7.10	7.20	14.7	1.4
	2	6.48	6.43	6.53	14.9	
beta-BHC	1	4.52	4.47	4.57	14.6	2.7
	2	4.02	3.97	4.07	15.0	
delta-BHC	1	4.77	4.72	4.82	14.9	0
	2	4.26	4.21	4.31	14.9	
Endosulfan I	1	6.07	6.02	6.12	15.0	1.3
	2	5.24	5.19	5.29	15.2	
Dieldrin	1	6.35	6.30	6.40	15.0	1.3
	2	5.51	5.46	5.56	15.2	
Endrin aldehyde	1	6.92	6.87	6.97	15.9	1.9
	2	6.25	6.20	6.30	16.2	
Methoxychlor	1	7.50	7.45	7.55	16.6	2.4
	2	6.75	6.70	6.80	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169826BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab Sample ID: PB169826BS

Date(s) Analyzed: 09/25/2025 09/25/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	14.9	0.7
	2	6.99	6.94	7.04	15.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	2
	2	3.73	3.68	3.78	15.2	
Heptachlor	1	4.93	4.88	4.98	15.0	0
	2	4.08	4.03	4.13	15.0	
Heptachlor epoxide	1	5.69	5.64	5.74	14.9	0
	2	4.87	4.82	4.92	14.9	
gamma-Chlordane	1	5.95	5.90	6.00	15.1	0.7
	2	5.12	5.07	5.17	15.2	
Endrin	1	6.58	6.53	6.63	15.3	0.7
	2	5.78	5.73	5.83	15.2	



QC SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169826BL	SDG No.:	Q3176
Lab Sample ID:	PB169826BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090388.D	1	09/25/25 08:51	09/25/25 13:31	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		19 - 148	87%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 916		Date Received:		
Client Sample ID:	PB169826BL		SDG No.:	Q3176	
Lab Sample ID:	PB169826BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090388.D	1	09/25/25 08:51	09/25/25 13:31	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 13:31
Operator : AR\AJ
Sample : PB169826BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169826BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:44:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.554	2.874	53231033	477.1E6	16.376	17.379
28)	SA Decachlor...	9.079	8.065	92519971	645.5E6	19.175	19.915

Target Compounds

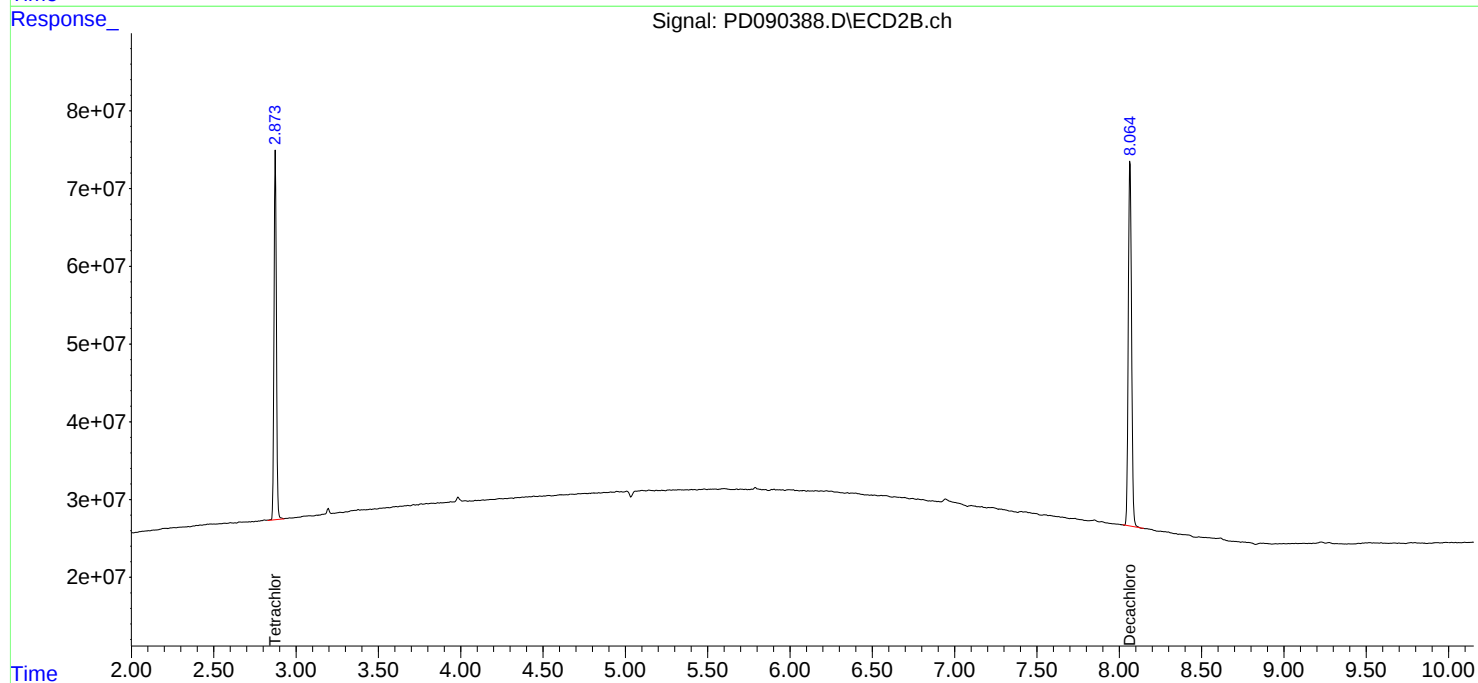
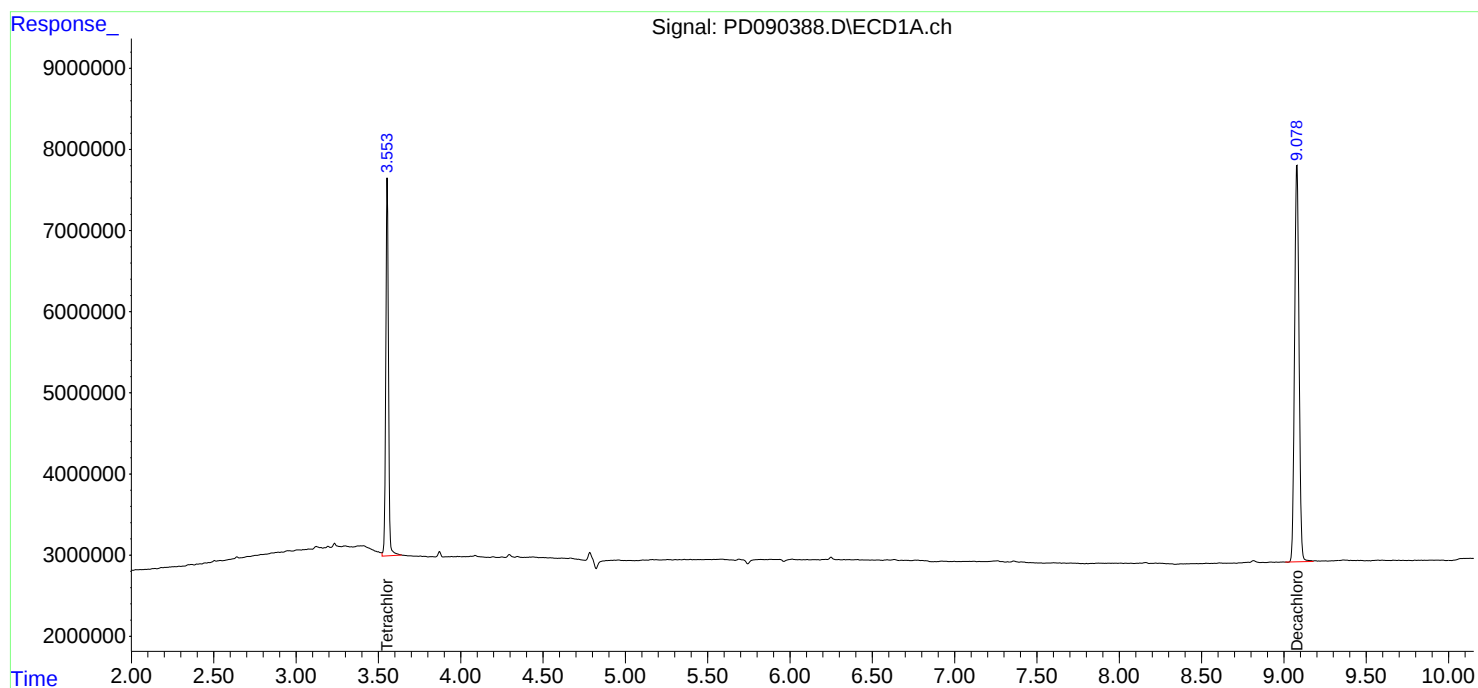
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

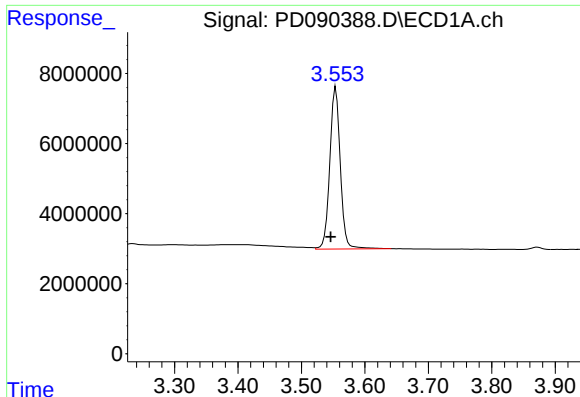
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 13:31
Operator : AR\AJ
Sample : PB169826BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169826BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:44:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

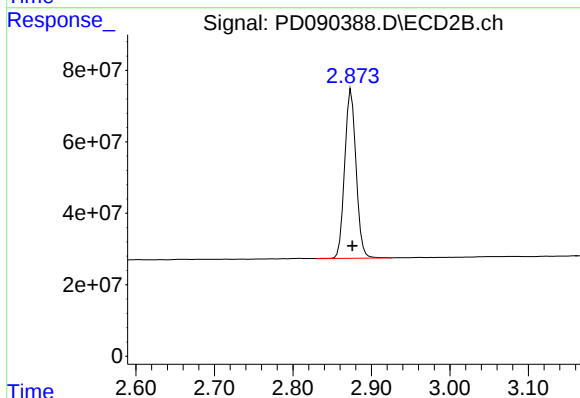




#1 Tetrachloro-m-xylene

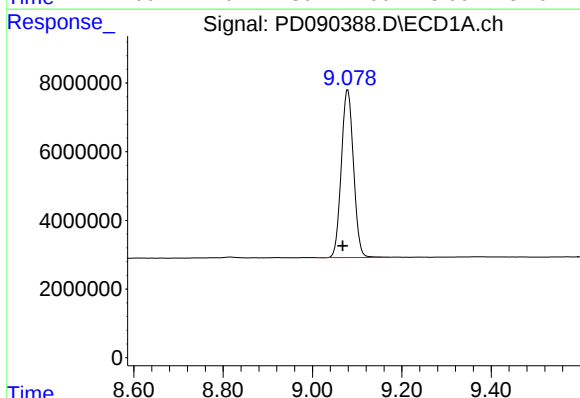
R.T.: 3.554 min
Delta R.T.: 0.008 min
Response: 53231033
Conc: 16.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BL



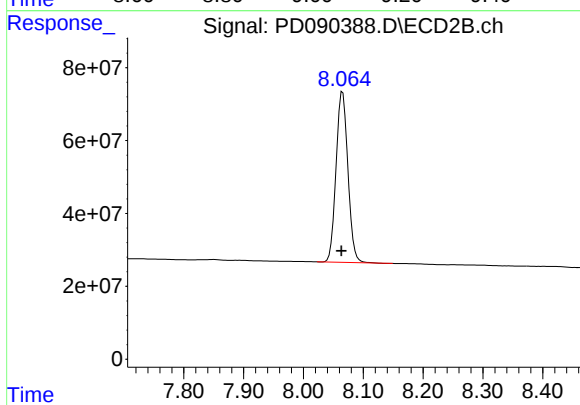
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 477061405
Conc: 17.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.012 min
Response: 92519971
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.002 min
Response: 645548194
Conc: 19.92 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/18/25
Project:	RFP 916	Date Received:	09/18/25
Client Sample ID:	PIBLK-PD090327.D	SDG No.:	Q3176
Lab Sample ID:	I.BLK-PD090327.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090327.D	1		09/18/25	pd091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		57 - 171	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		61 - 148	85%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/18/25	
Project:	RFP 916		Date Received:	09/18/25	
Client Sample ID:	PIBLK-PD090327.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PD090327.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090327.D	1		09/18/25	pd091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	53680424	464.5E6	16.515	16.922
28)	SA Decachlor...	9.067	8.063	84762935	556.2E6	17.567	17.160

Target Compounds

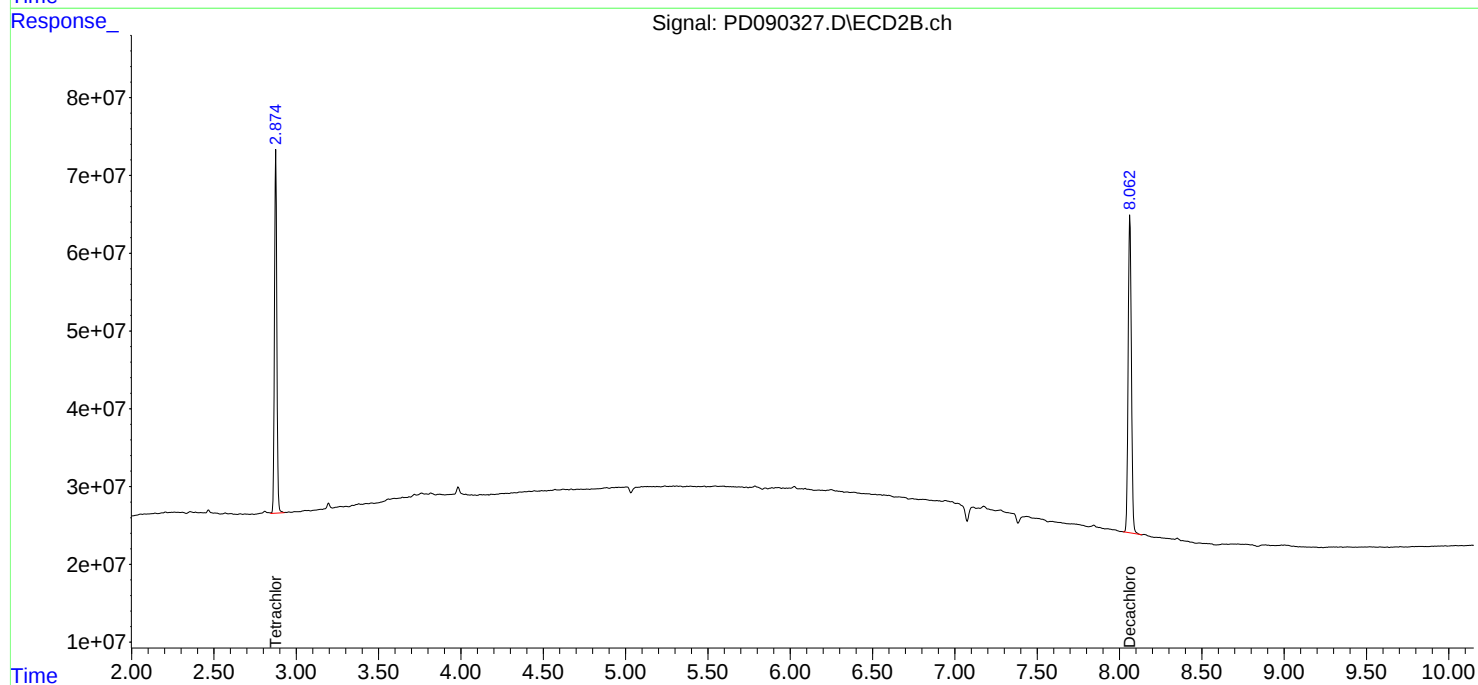
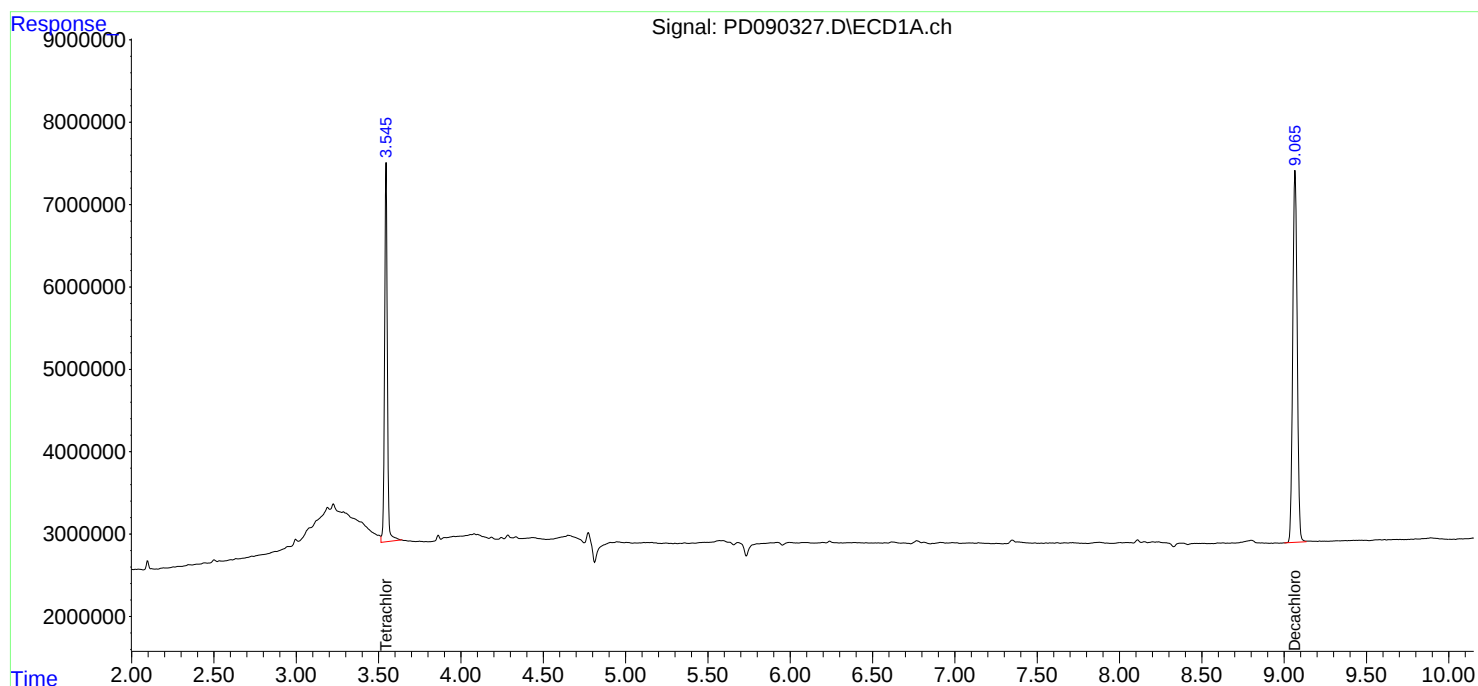
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

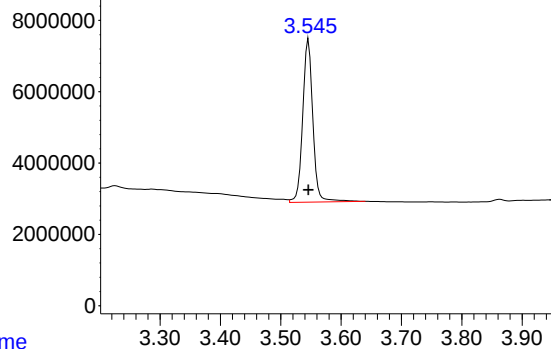
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090327.D\ECD1A.ch

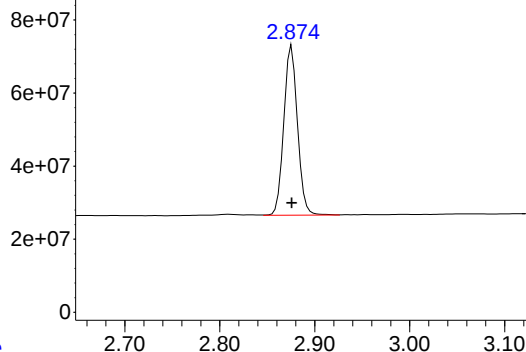


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 53680424
Conc: 16.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

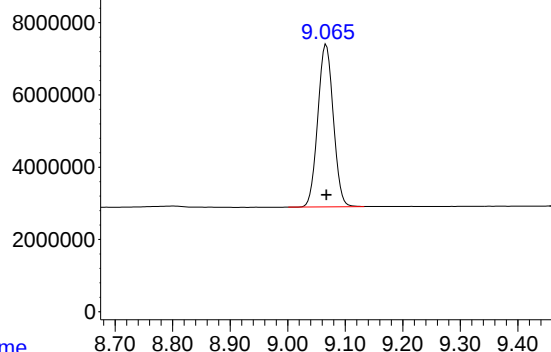
Time Response_ Signal: PD090327.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 464498064
Conc: 16.92 ng/ml

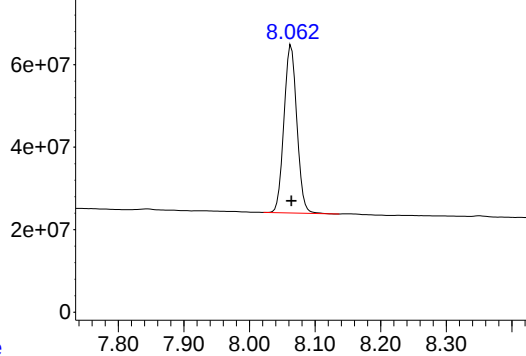
Time Response_ Signal: PD090327.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 84762935
Conc: 17.57 ng/ml

Time Response_ Signal: PD090327.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 556238349
Conc: 17.16 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/25/25
Project:	RFP 916	Date Received:	09/25/25
Client Sample ID:	PIBLK-PD090385.D	SDG No.:	Q3176
Lab Sample ID:	I.BLK-PD090385.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090385.D	1		09/25/25	PD092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		61 - 148	97%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/25/25	
Project:	RFP 916		Date Received:	09/25/25	
Client Sample ID:	PIBLK-PD090385.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PD090385.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090385.D	1		09/25/25	PD092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:43:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.875	58921022	532.9E6	18.127	19.414
28)	SA Decachlor...	9.069	8.063	97729634	694.3E6	20.255	21.420

Target Compounds

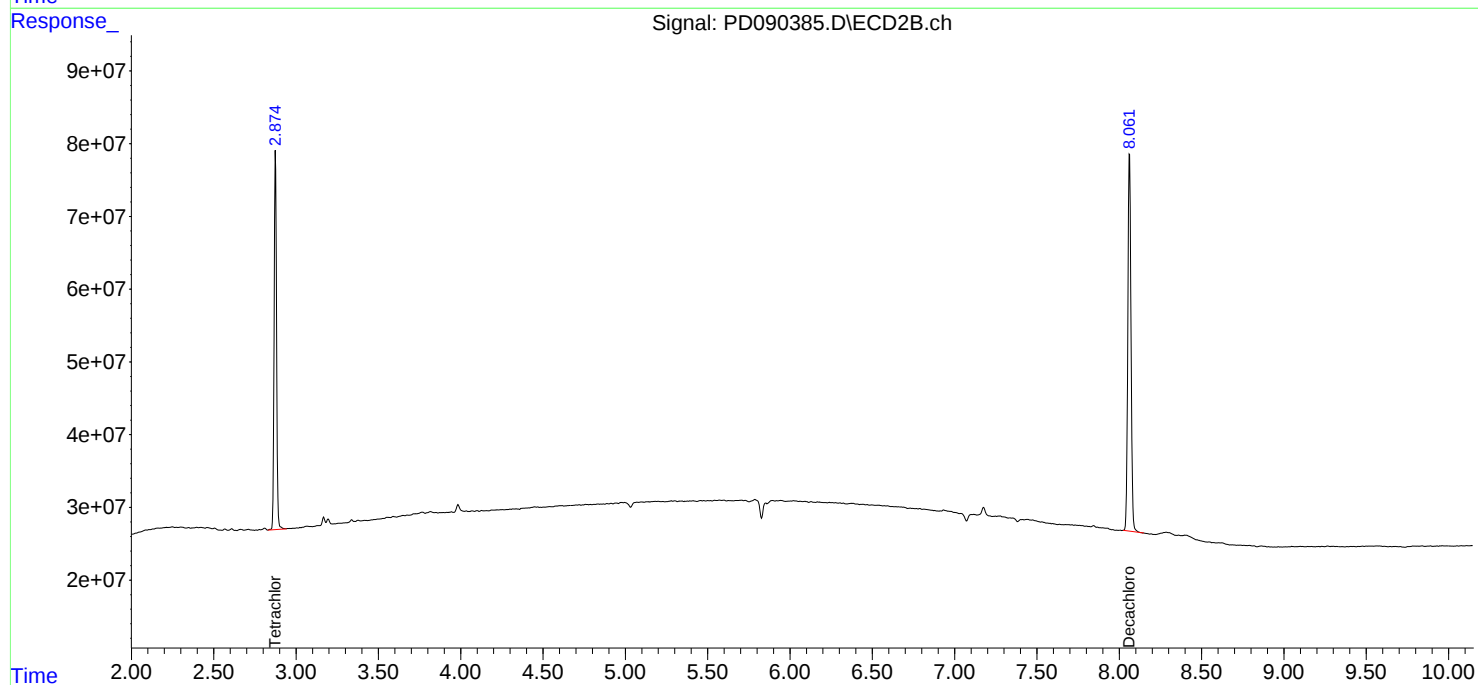
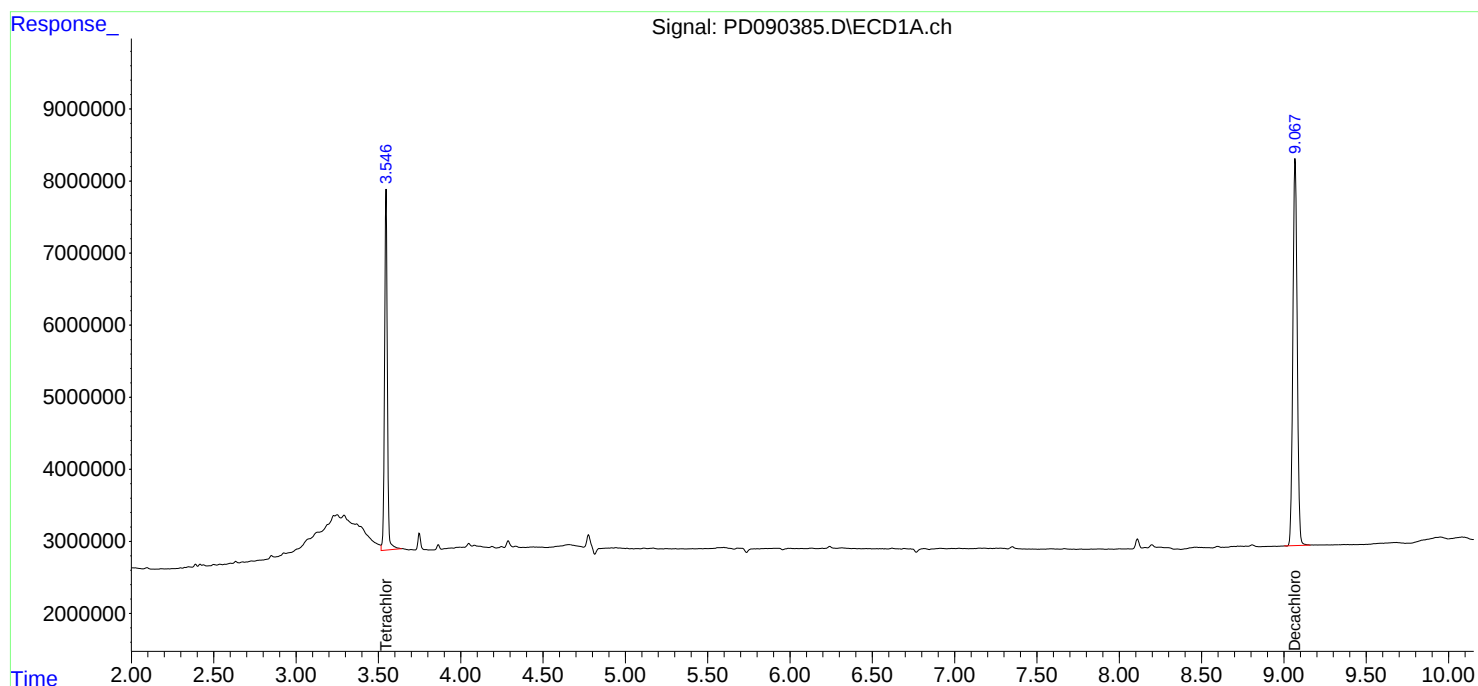
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

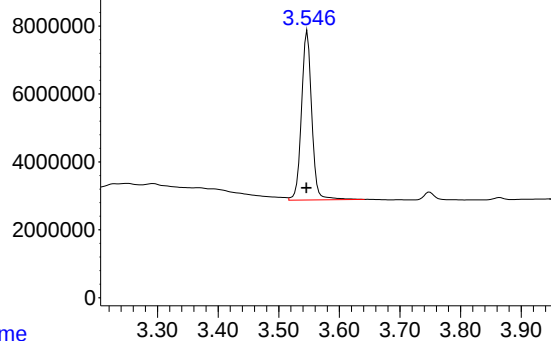
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:43:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090385.D\ECD1A.ch

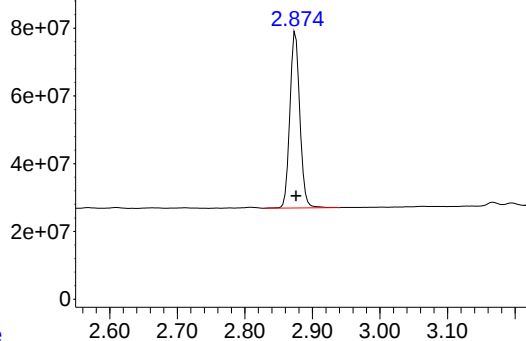


#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.001 min
Response: 58921022
Conc: 18.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

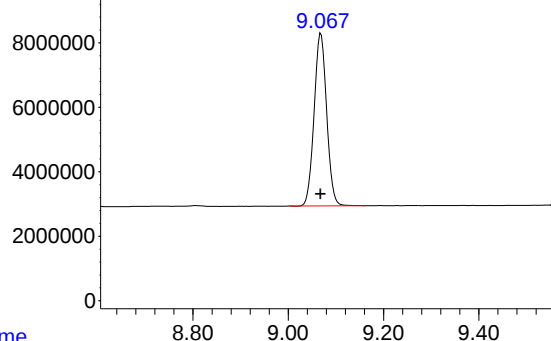
Time Response_ Signal: PD090385.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 532914685
Conc: 19.41 ng/ml

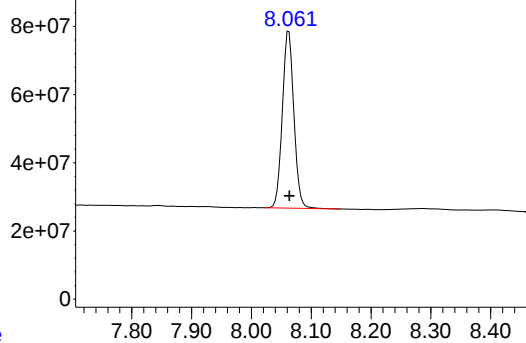
Time Response_ Signal: PD090385.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.000 min
Response: 97729634
Conc: 20.25 ng/ml

Time Response_ Signal: PD090385.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 694325203
Conc: 21.42 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/25/25	
Project:	RFP 916		Date Received:	09/25/25	
Client Sample ID:	PIBLK-PD090395.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PD090395.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090395.D	1		09/25/25	pd092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		61 - 148	95%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/25/25
Project:	RFP 916	Date Received:	09/25/25
Client Sample ID:	PIBLK-PD090395.D	SDG No.:	Q3176
Lab Sample ID:	I.BLK-PD090395.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090395.D	1		09/25/25	pd092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 16:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:45:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.876	58702200	523.3E6	18.060	19.064
28)	SA Decachlor...	9.073	8.065	96913112	643.9E6	20.085	19.864

Target Compounds

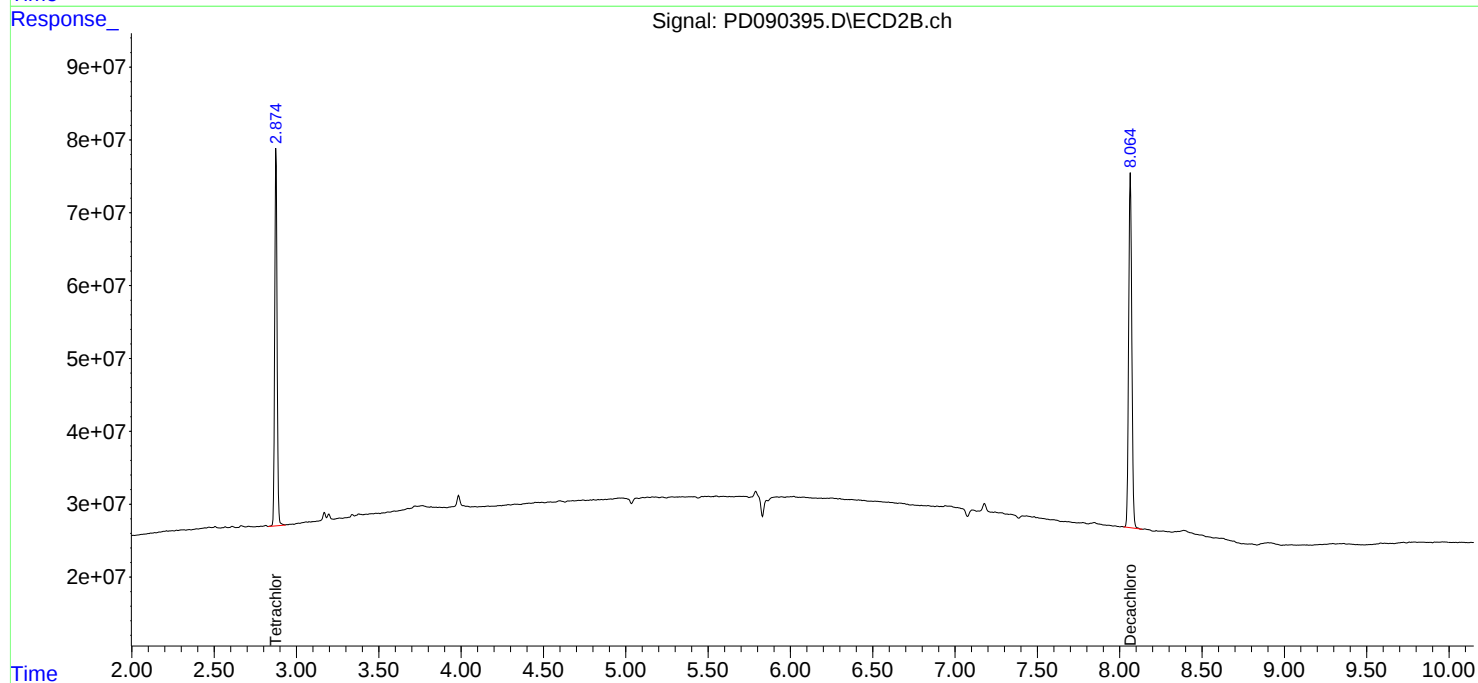
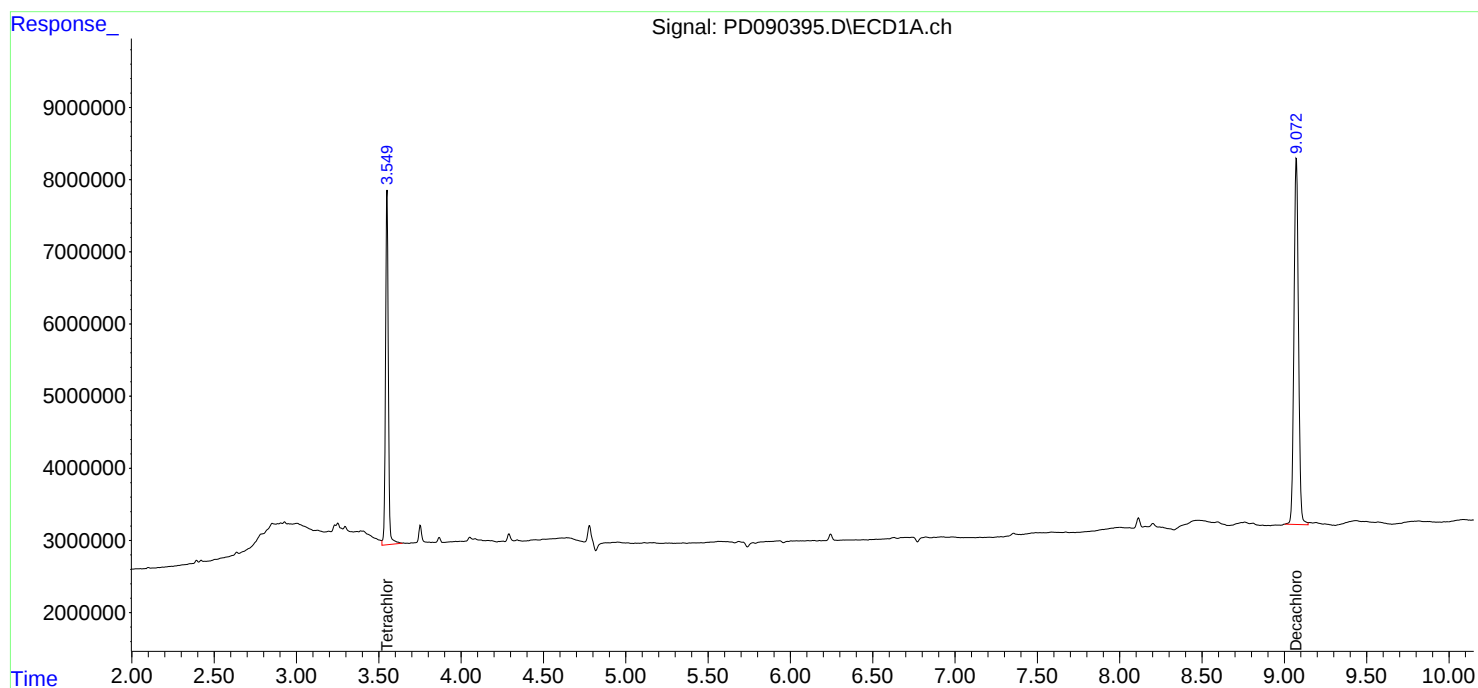
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 16:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

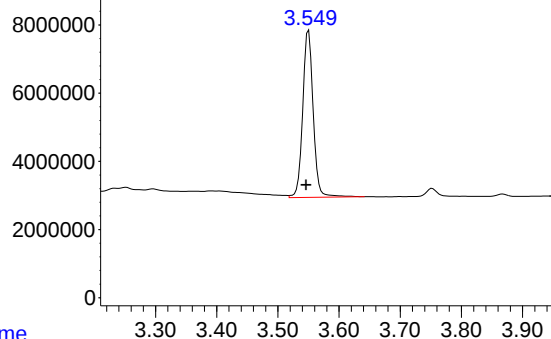
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:45:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090395.D\ECD1A.ch

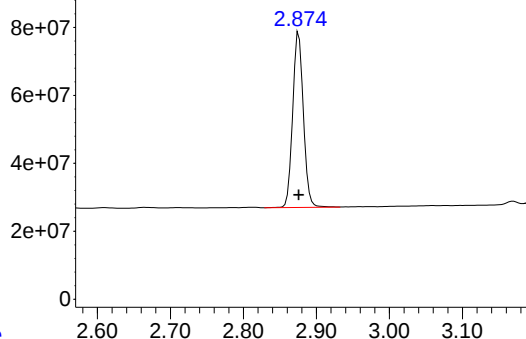


#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.004 min
Response: 58702200
Conc: 18.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

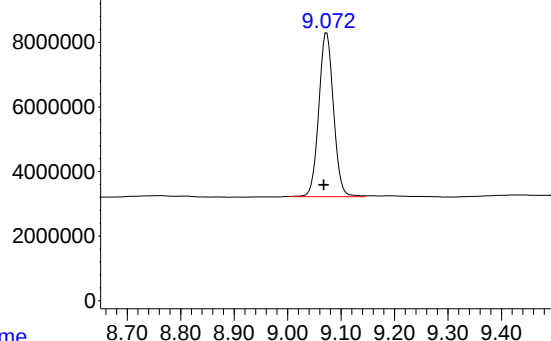
Time Response_ Signal: PD090395.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 523315651
Conc: 19.06 ng/ml

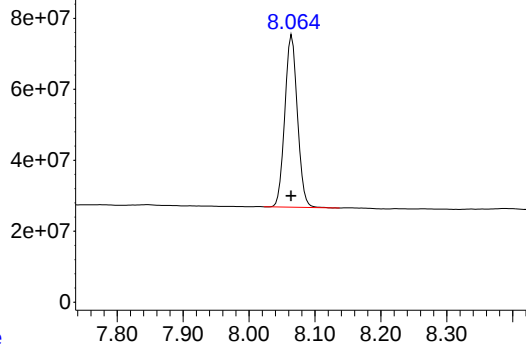
Time Response_ Signal: PD090395.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.006 min
Response: 96913112
Conc: 20.09 ng/ml

Time Response_ Signal: PD090395.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.001 min
Response: 643875403
Conc: 19.86 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/18/25	
Project:	RFP 916		Date Received:	09/18/25	
Client Sample ID:	PIBLK-PL097268.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PL097268.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097268.D	1		09/18/25	PL092025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		57 - 171	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		61 - 148	80%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/18/25	
Project:	RFP 916		Date Received:	09/18/25	
Client Sample ID:	PIBLK-PL097268.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PL097268.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097268.D	1		09/18/25	PL092025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.824	70468568	105.0E6	15.566	15.973
28) SA Decachlor...	9.001	7.984	56635933	97364753	17.308	17.107

Target Compounds

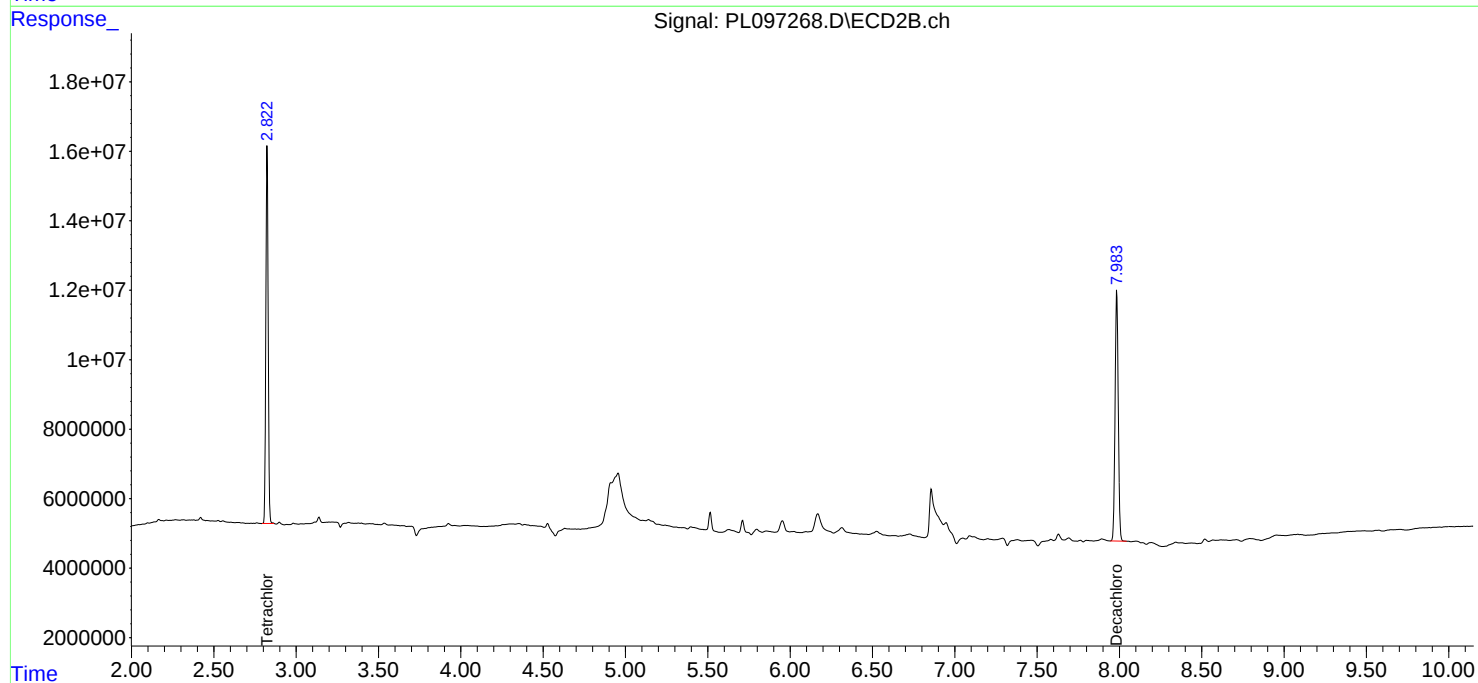
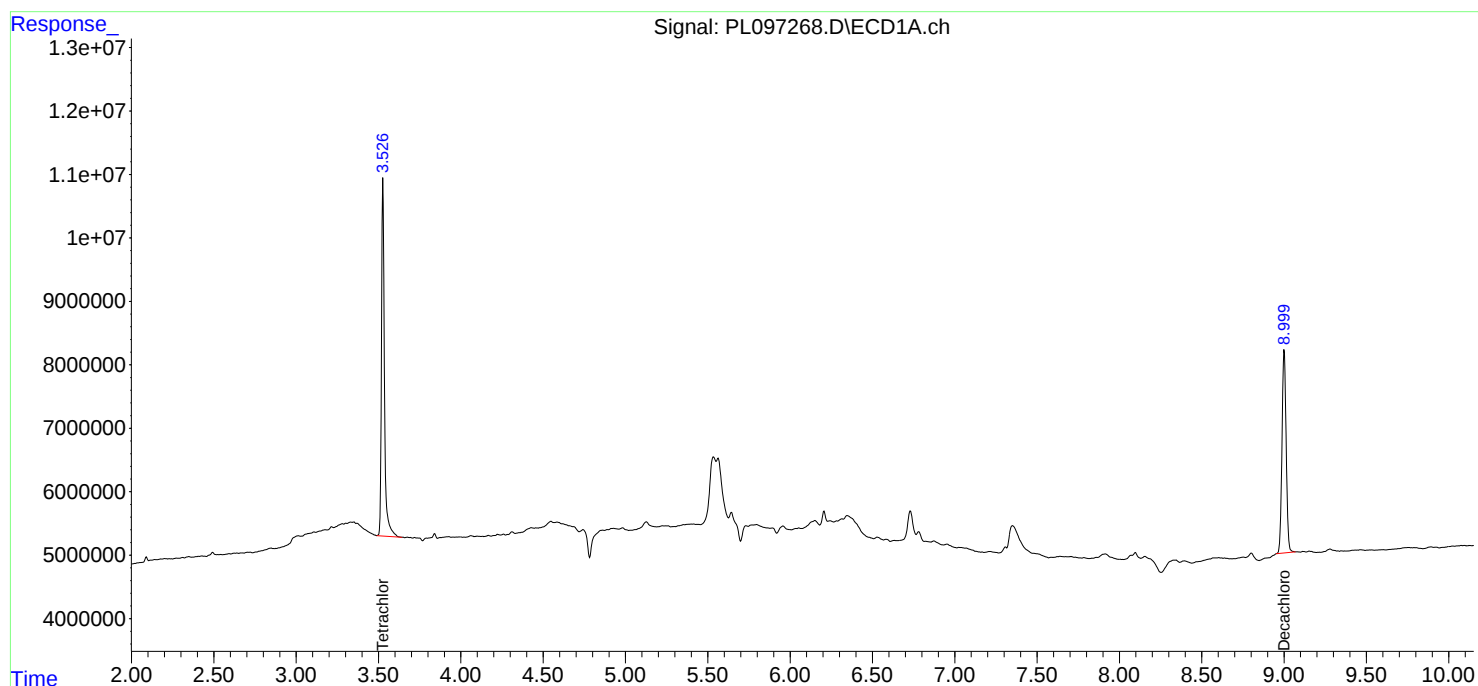
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL097268.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 70468568
Conc: 15.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Time

Response_ Signal: PL097268.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 105031523
Conc: 15.97 ng/ml

Time

Response_ Signal: PL097268.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 56635933
Conc: 17.31 ng/ml

Time

Response_ Signal: PL097268.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 97364753
Conc: 17.11 ng/ml

Time

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/30/25
Project:	RFP 916	Date Received:	09/30/25
Client Sample ID:	PIBLK-PL097434.D	SDG No.:	Q3176
Lab Sample ID:	I.BLK-PL097434.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097434.D	1		09/30/25	PI093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		57 - 171	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		61 - 148	107%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/30/25	
Project:	RFP 916		Date Received:	09/30/25	
Client Sample ID:	PIBLK-PL097434.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PL097434.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097434.D	1		09/30/25	PI093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 09:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:41:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	96669124	133.3E6	21.353	20.275
28)	SA Decachlor...	8.997	7.981	77923616	120.3E6	23.814	21.132

Target Compounds

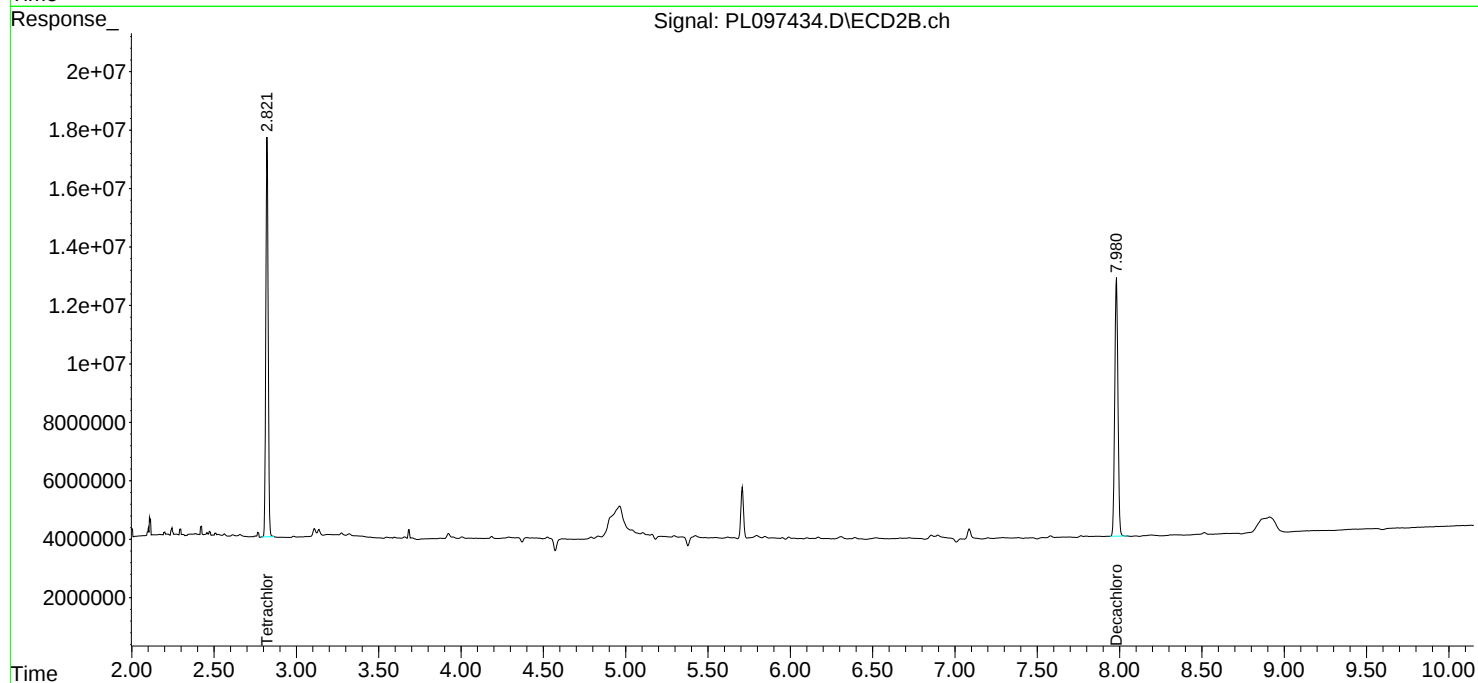
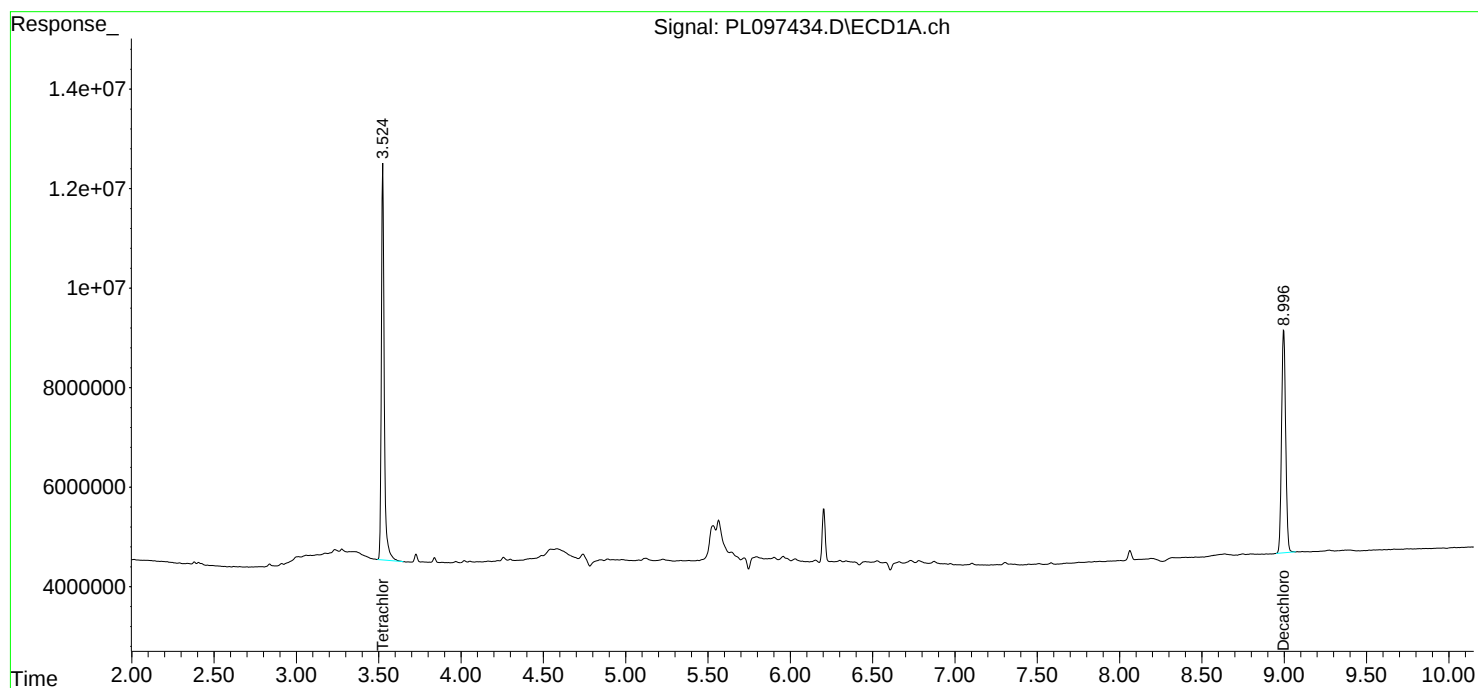
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

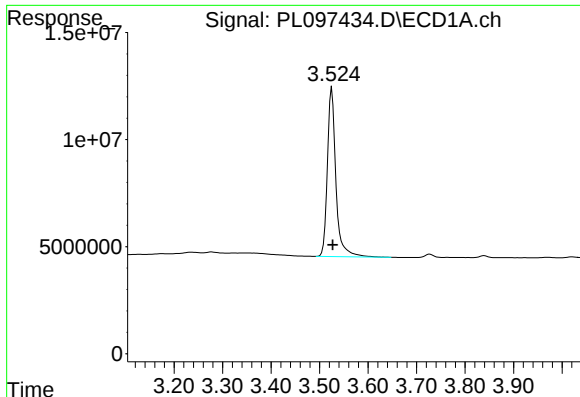
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 09:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 12:41:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

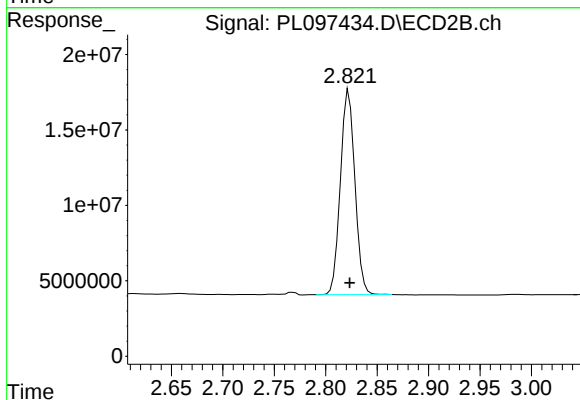




#1 Tetrachloro-m-xylene

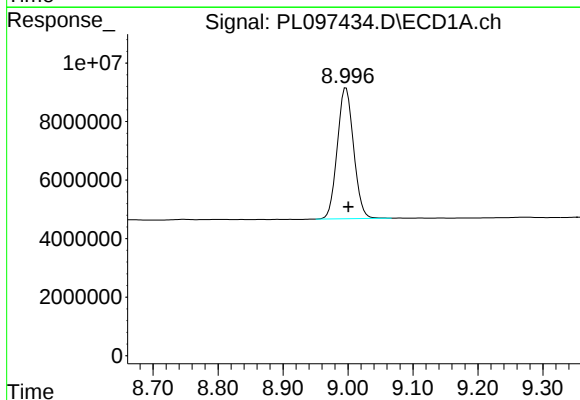
R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 96669124
Conc: 21.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



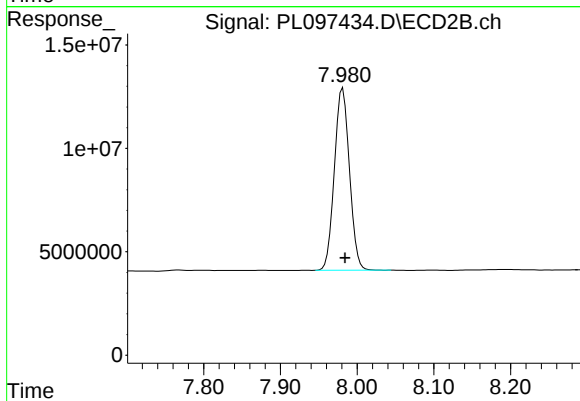
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 133319817
Conc: 20.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.997 min
Delta R.T.: -0.004 min
Response: 77923616
Conc: 23.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 120276563
Conc: 21.13 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/30/25
Project:	RFP 916	Date Received:	09/30/25
Client Sample ID:	PIBLK-PL097448.D	SDG No.:	Q3176
Lab Sample ID:	I.BLK-PL097448.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097448.D	1		09/30/25	pl093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		57 - 171	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		61 - 148	104%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/30/25	
Project:	RFP 916		Date Received:	09/30/25	
Client Sample ID:	PIBLK-PL097448.D		SDG No.:	Q3176	
Lab Sample ID:	I.BLK-PL097448.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097448.D	1		09/30/25	pl093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 16:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:23:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.823	93827494	133.3E6	20.725	20.277
28)	SA Decachlor...	8.999	7.982	73103833	111.2E6	22.341	19.529

Target Compounds

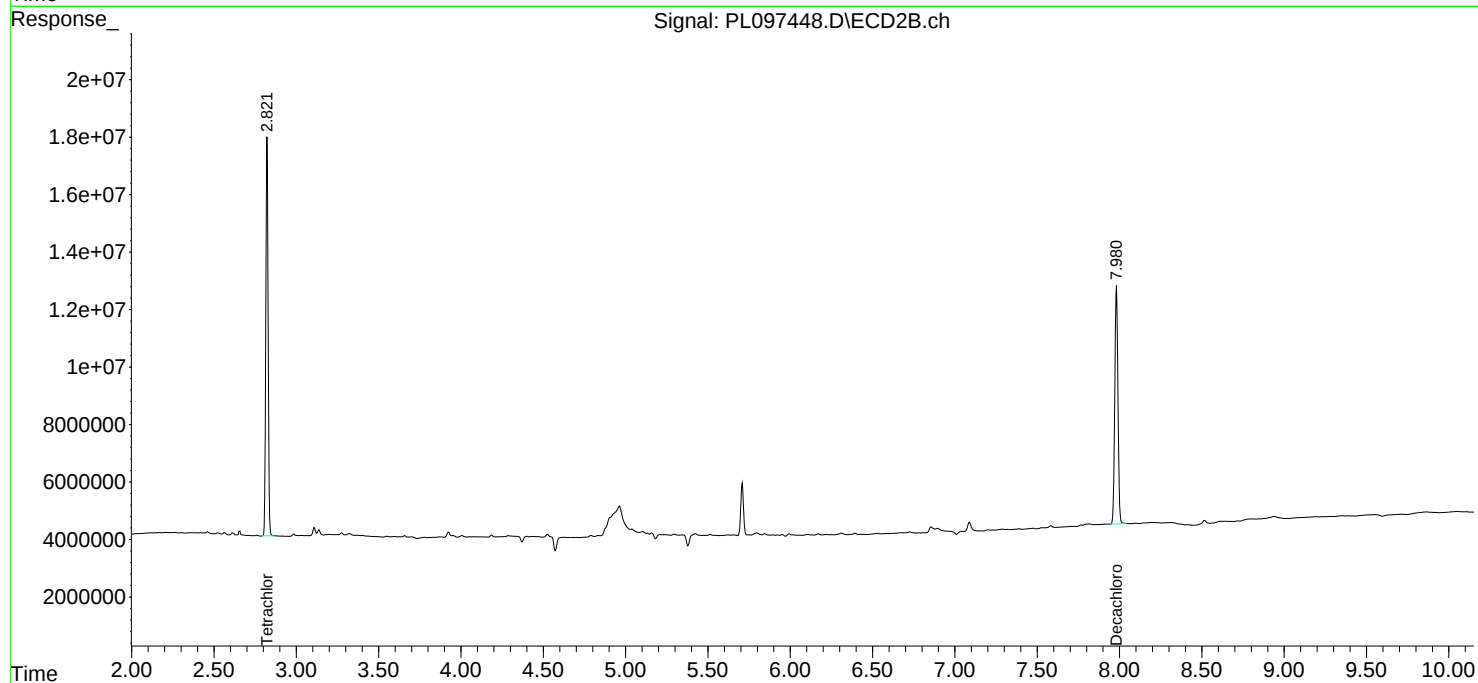
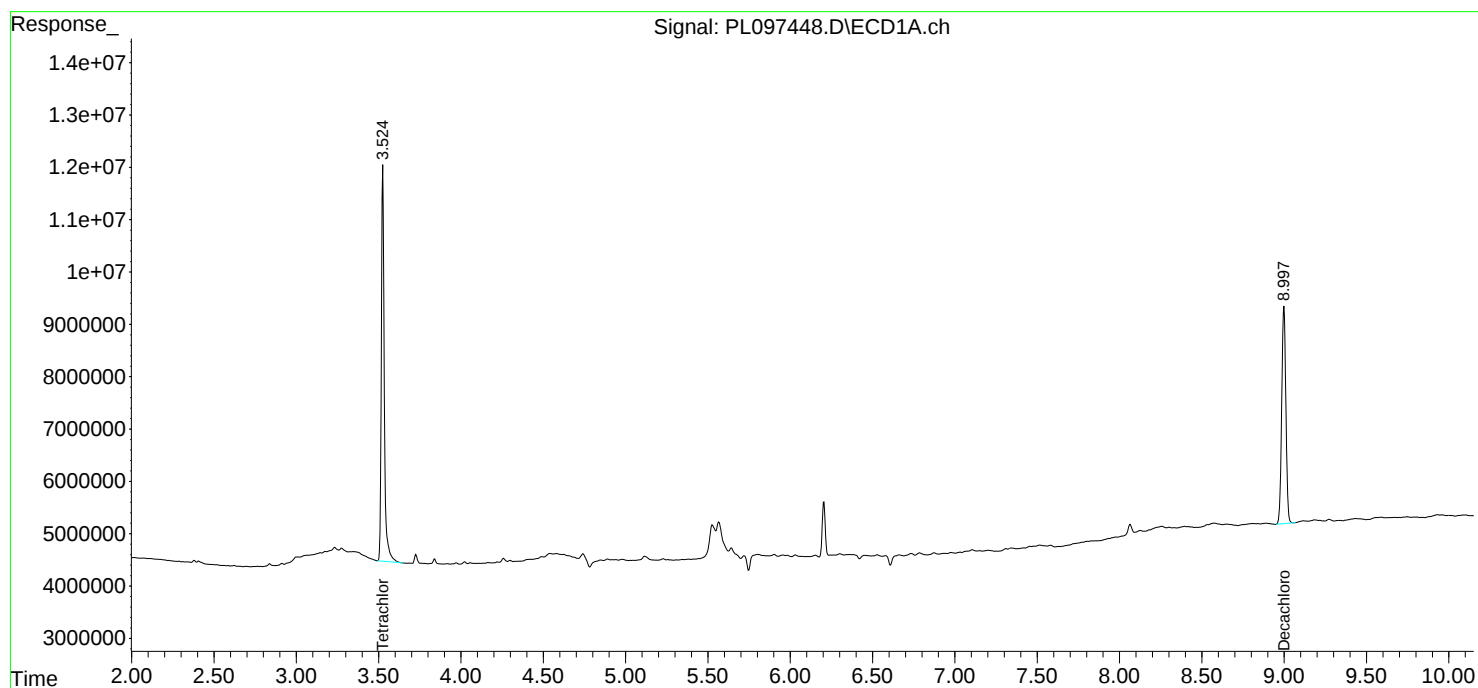
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

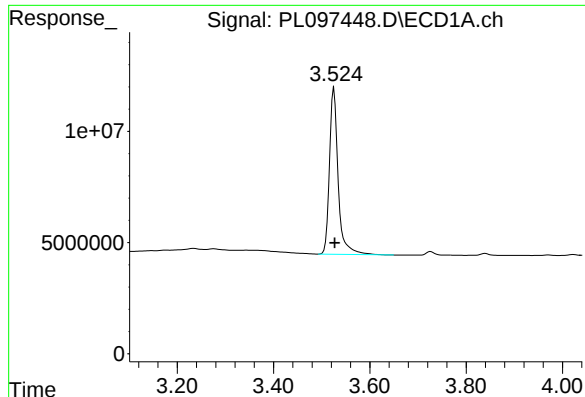
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 16:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:23:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

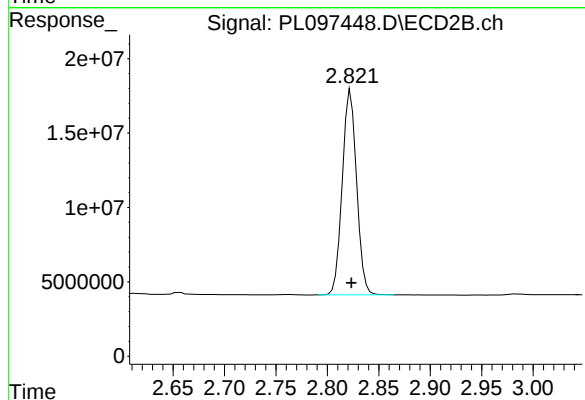




#1 Tetrachloro-m-xylene

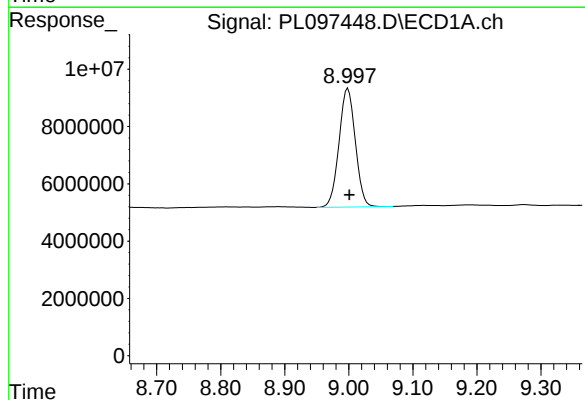
R.T.: 3.526 min
Delta R.T.: -0.001 min
Response: 93827494
Conc: 20.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



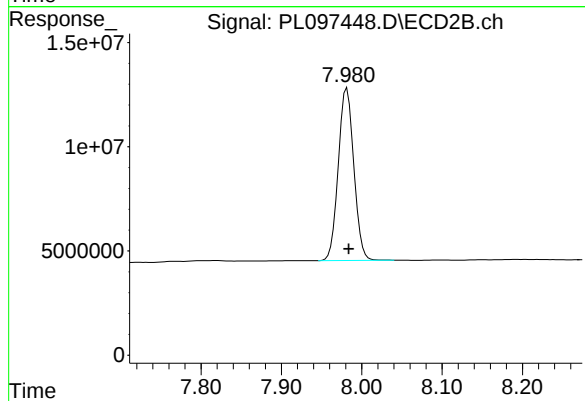
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 133332345
Conc: 20.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.002 min
Response: 73103833
Conc: 22.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 111151920
Conc: 19.53 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169826BS	SDG No.:	Q3176
Lab Sample ID:	PB169826BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090394.D	1	09/25/25 08:51	09/25/25 16:12	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.2		0.13	1.70	ug/kg
319-85-7	beta-BHC	15.0		0.18	1.70	ug/kg
319-86-8	delta-BHC	14.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	15.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.0		0.12	1.70	ug/kg
309-00-2	Aldrin	15.2		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	14.9		0.19	1.70	ug/kg
959-98-8	Endosulfan I	15.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	15.2		0.14	1.70	ug/kg
72-55-9	4,4-DDE	15.2		0.14	1.70	ug/kg
72-20-8	Endrin	15.3		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	15.2		0.29	1.70	ug/kg
72-54-8	4,4-DDD	15.3		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	14.9		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.0		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.0		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.0		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.2		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	15.2		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	15.2		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.4		20 - 144	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		19 - 148	123%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169826BS	SDG No.:	Q3176
Lab Sample ID:	PB169826BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090394.D	1	09/25/25 08:51	09/25/25 16:12	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
 Data File : PD090394.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Sep 2025 16:12
 Operator : AR\AJ
 Sample : PB169826BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169826BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/26/2025

Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 26 05:44:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.876	75641797	673.8E6	23.271	24.547
28)	SA Decachlor...	9.075	8.066	120.7E6	821.6E6	25.018	25.346
Target Compounds							
2)	A alpha-BHC	4.000	3.388	316.0E6	1996.6E6	45.240	45.603
3)	MA gamma-BHC...	4.331	3.725	296.6E6	1858.7E6	44.819	45.628
4)	MA Heptachlor	4.929	4.077	297.0E6	1832.2E6	44.915	44.998
5)	MB Aldrin	5.271	4.363	286.7E6	1823.7E6	45.144	45.666
6)	B beta-BHC	4.518	4.021	112.8E6	779.3E6	43.719	44.954
7)	B delta-BHC	4.765	4.257	289.7E6	1847.6E6	44.863m	44.741
8)	B Heptachlo...	5.691	4.867	256.2E6	1647.5E6	44.822	44.689
9)	A Endosulfan I	6.074	5.241	243.5E6	1577.0E6	45.082	45.570
10)	B gamma-Chl...	5.946	5.119	259.4E6	1788.1E6	45.415	45.514
11)	B alpha-Chl...	6.027	5.184	258.1E6	1713.3E6	44.806	45.487
12)	B 4,4'-DDE	6.196	5.368	234.8E6	1750.1E6	45.097	45.720
13)	MA Dieldrin	6.347	5.507	260.3E6	1774.2E6	45.148	45.556
14)	MA Endrin	6.575	5.783	225.2E6	1637.0E6	46.006	45.686
15)	B Endosulfa...	6.787	6.074	223.0E6	1544.5E6	45.707	45.762
16)	A 4,4'-DDD	6.707	5.923	186.7E6	1488.5E6	45.557	45.902
17)	MA 4,4'-DDT	7.022	6.177	212.6E6	1651.9E6	47.741	48.048
18)	B Endrin al...	6.916	6.253	164.2E6	1143.6E6	47.858	48.567
19)	B Endosulfa...	7.151	6.477	203.6E6	1463.6E6	44.254	44.772
20)	A Methoxychlor	7.495	6.748	117.6E6	885.4E6	49.915	50.884
21)	B Endrin ke...	7.632	6.986	221.1E6	1628.1E6	44.699	45.097
22)	Mirex	8.115	7.179	157.2E6	1188.8E6	42.439	43.064

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092525\
Data File : PD090394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Sep 2025 16:12
Operator : AR\AJ
Sample : PB169826BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169826BS

Manual Integrations

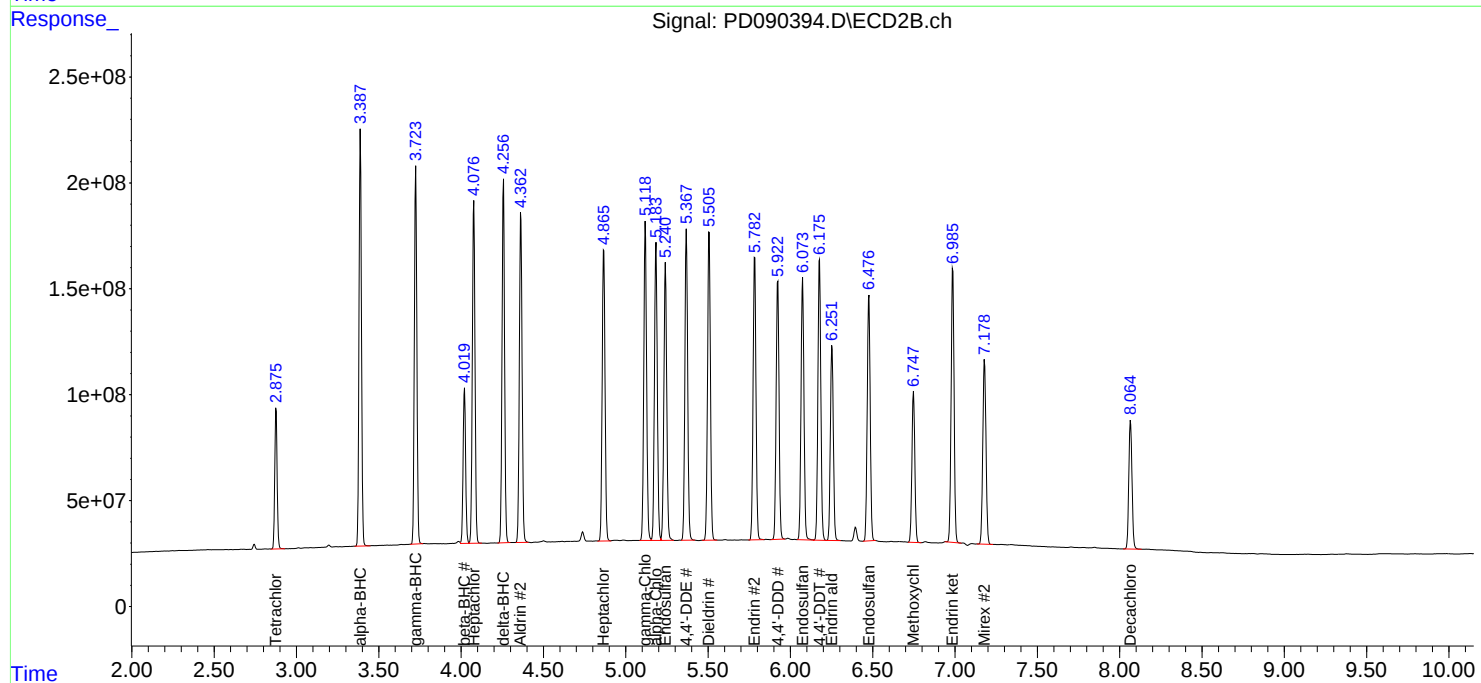
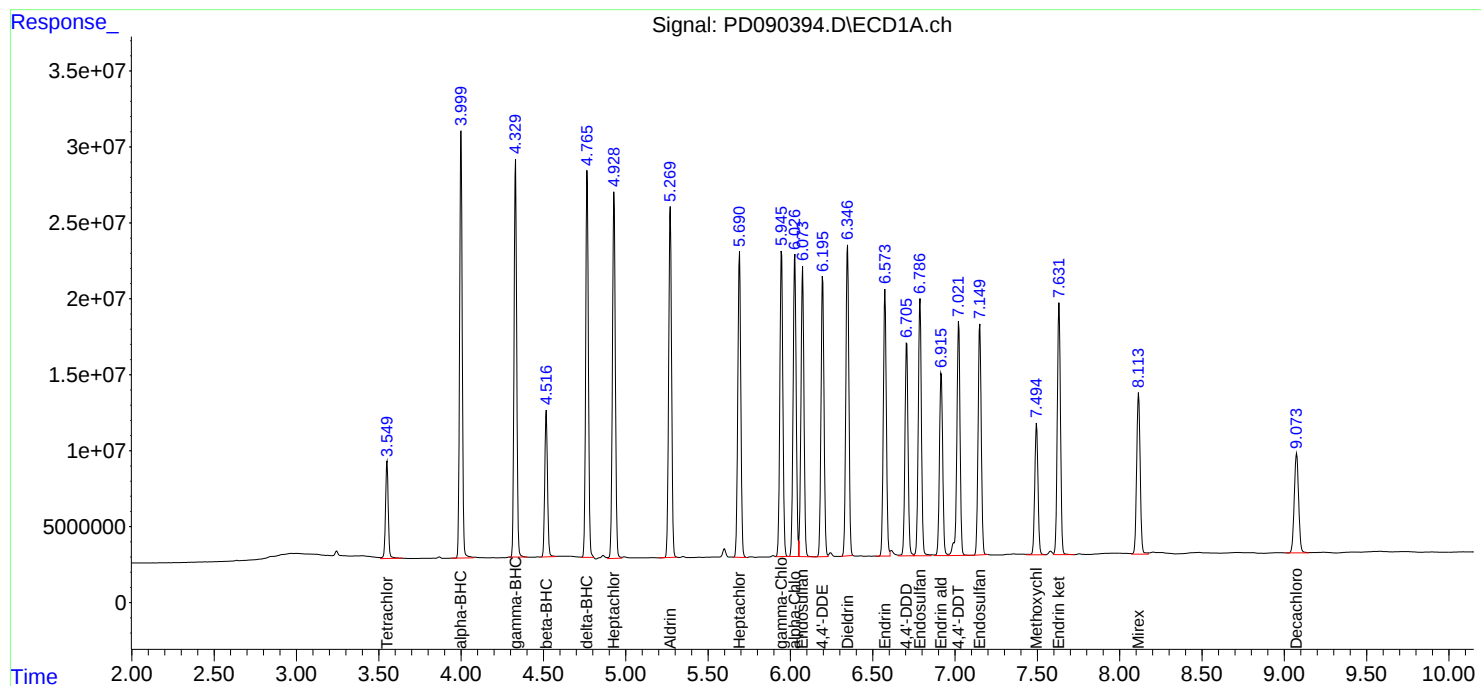
APPROVED

Reviewed By :Abdul Mirza 09/26/2025

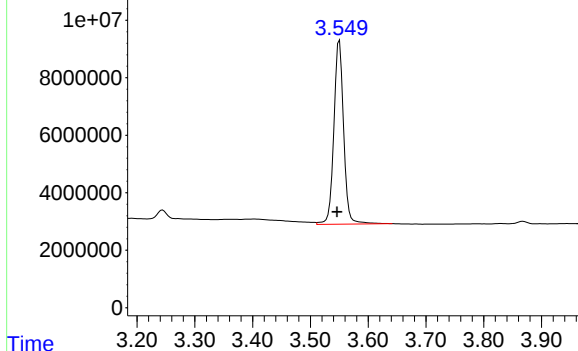
Supervised By :Sohil Jodhani 09/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 26 05:44:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090394.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.004 min
Response: 75641797
Conc: 23.27 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB169826BS

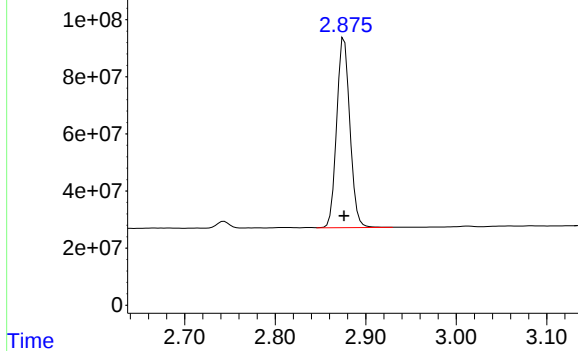
Manual Integrations

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Supervised By :Sohil Jodhani 09/26/2025

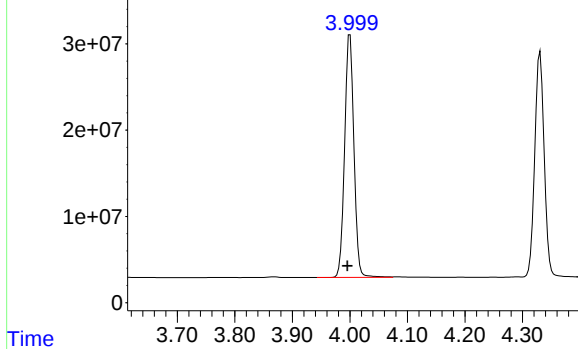
Response_ Signal: PD090394.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 673825161
Conc: 24.55 ng/ml

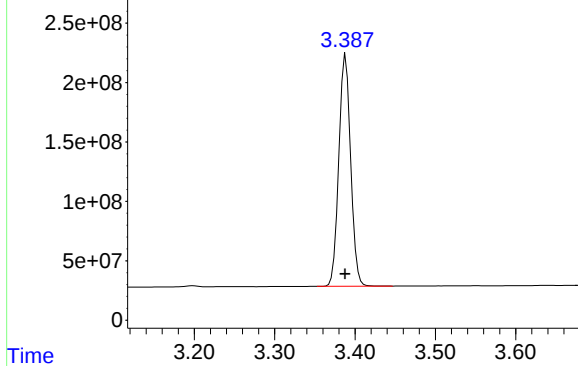
Response_ Signal: PD090394.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.005 min
Response: 315979558
Conc: 45.24 ng/ml

Response_ Signal: PD090394.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1996643244
Conc: 45.60 ng/ml

Response_ Signal: PD090394.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.005 min
Response: 296564006
Conc: 44.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BS

Manual Integrations
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Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090394.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1858676932
Conc: 45.63 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.001 min
Response: 1832163624
Conc: 45.00 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#4 Heptachlor

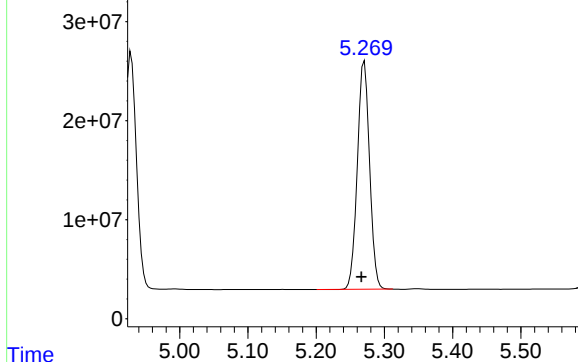
R.T.: 4.929 min
Delta R.T.: 0.004 min
Response: 297002122
Conc: 44.91 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#4 Heptachlor

Response_ Signal: PD090394.D\ECD1A.ch



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.004 min
Response: 286663504
Conc: 45.14 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB169826BS

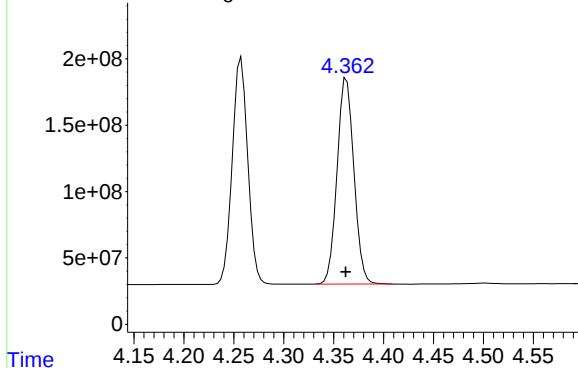
Manual Integrations

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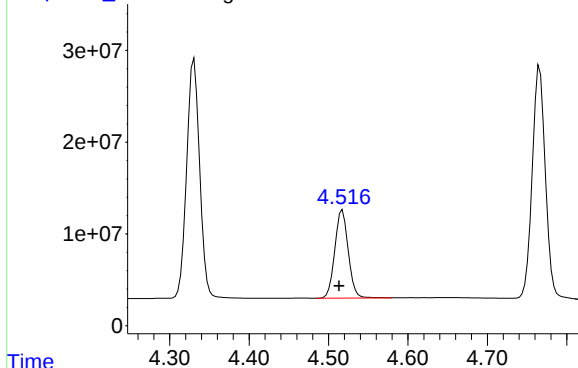
Time Response_ Signal: PD090394.D\ECD2B.ch



#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1823660890
Conc: 45.67 ng/ml

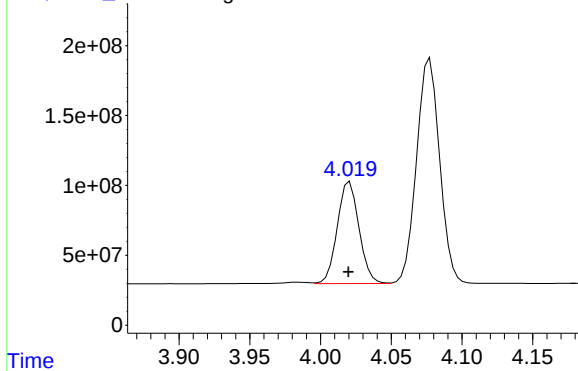
Time Response_ Signal: PD090394.D\ECD1A.ch



#6 beta-BHC

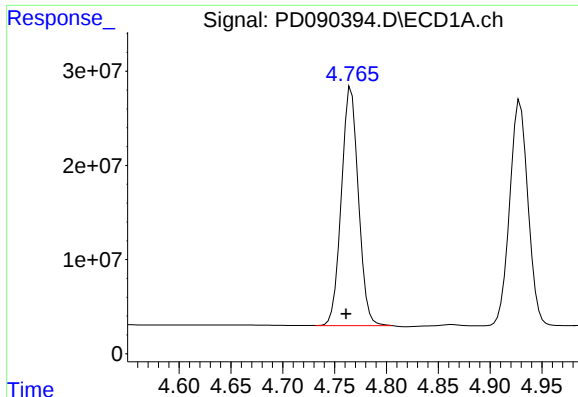
R.T.: 4.518 min
Delta R.T.: 0.004 min
Response: 112790767
Conc: 43.72 ng/ml

Time Response_ Signal: PD090394.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 779283143
Conc: 44.95 ng/ml



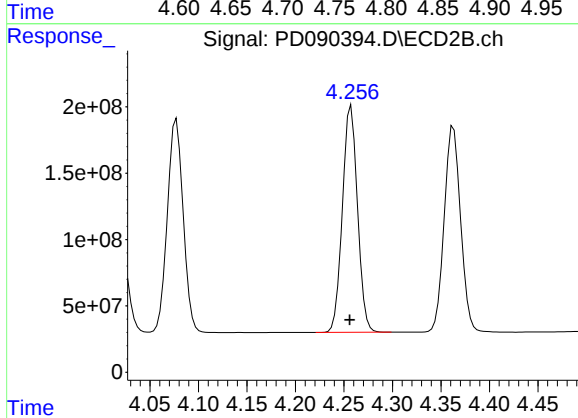
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.003 min
Response: 289705594
Conc: 44.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BS

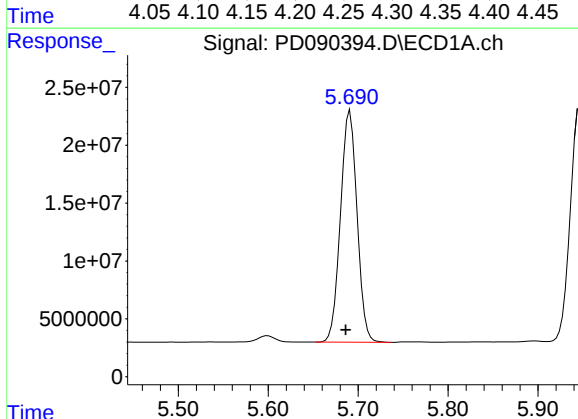
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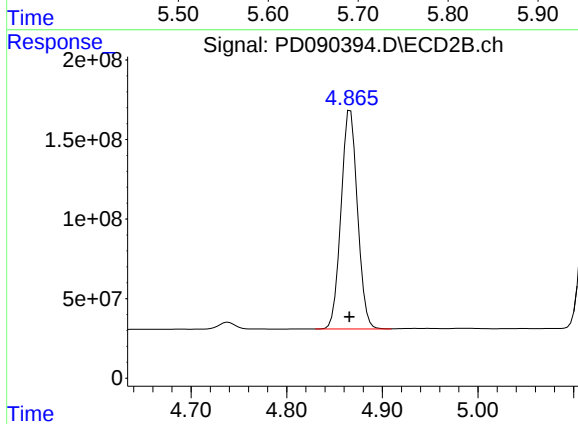
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.001 min
Response: 1847554285
Conc: 44.74 ng/ml



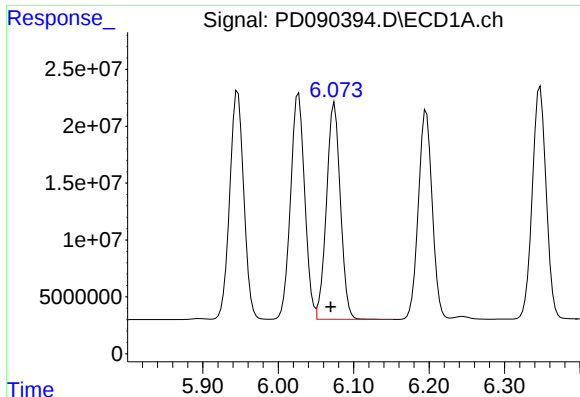
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.005 min
Response: 256154331
Conc: 44.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1647465394
Conc: 44.69 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.005 min
Response: 243506484
Conc: 45.08 ng/ml

Instrument :

ECD_D

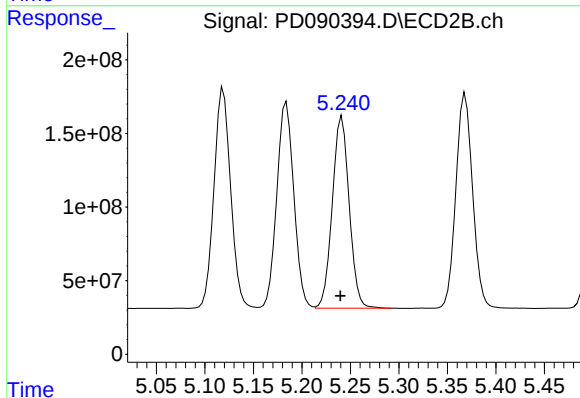
ClientSampleId :

PB169826BS

Manual Integrations

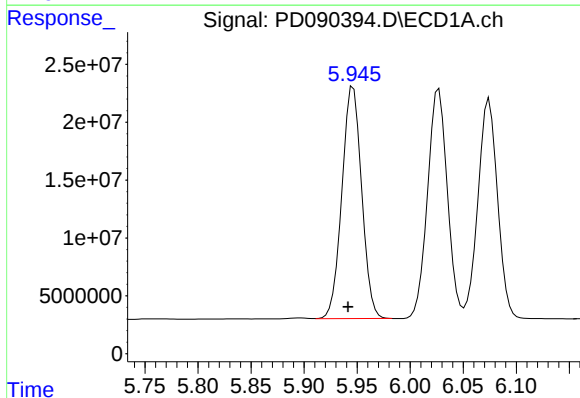
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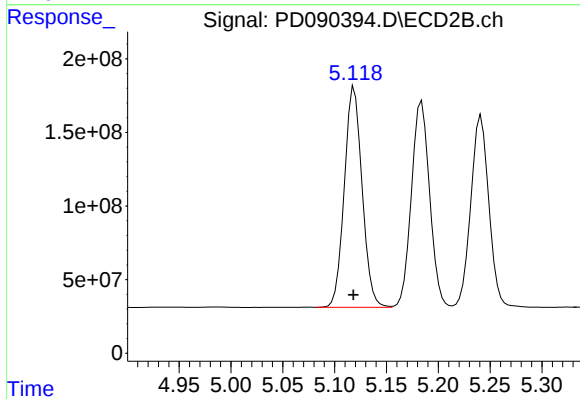
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.002 min
Response: 1576968626
Conc: 45.57 ng/ml



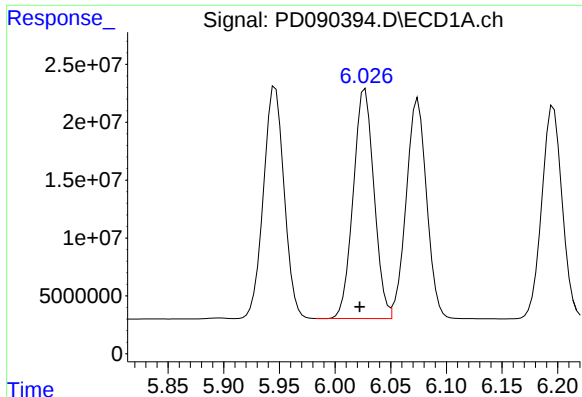
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.005 min
Response: 259410428
Conc: 45.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 1788067049
Conc: 45.51 ng/ml



#11 alpha-Chlordane

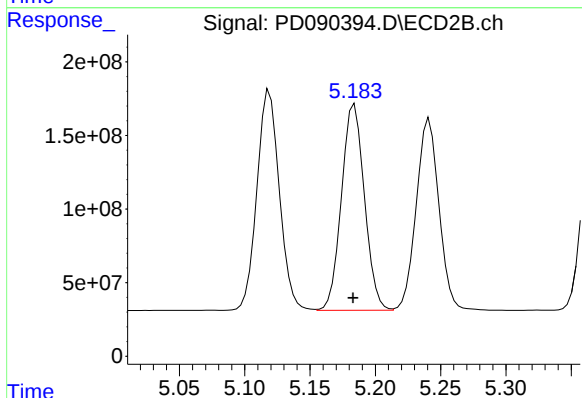
R.T.: 6.027 min
Delta R.T.: 0.005 min
Response: 258117826
Conc: 44.81 ng/ml

Instrument :

ECD_D

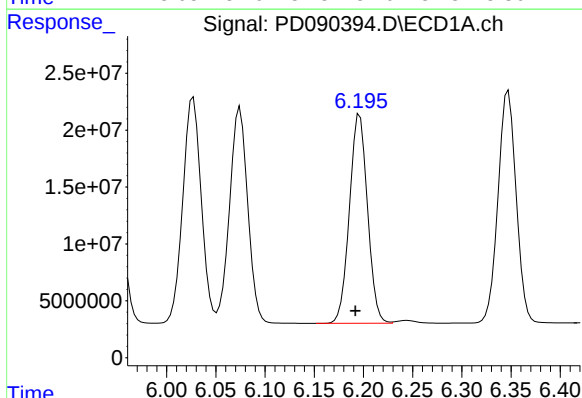
ClientSampleId :
PB169826BSManual Integrations
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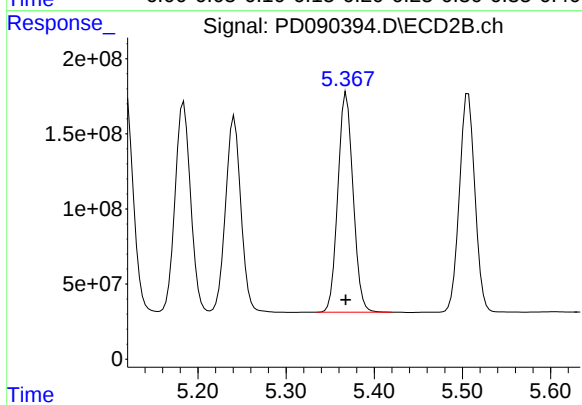
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.001 min
Response: 1713295200
Conc: 45.49 ng/ml



#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.004 min
Response: 234843343
Conc: 45.10 ng/ml

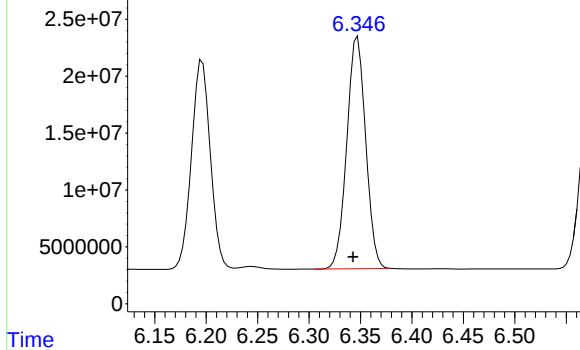


#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1750118291
Conc: 45.72 ng/ml

Response_ Signal: PD090394.D\ECD1A.ch

#13 Dieldrin



R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 260265680
Conc: 45.15 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB169826BS

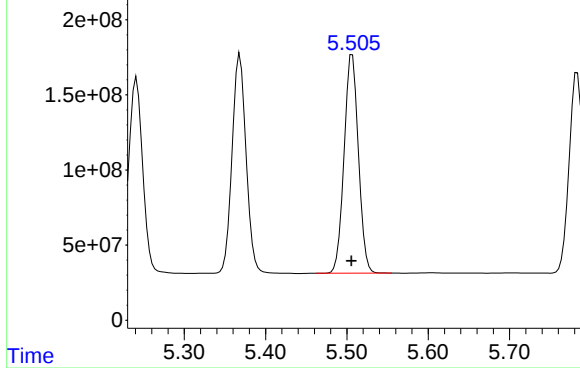
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Time Response_ Signal: PD090394.D\ECD2B.ch

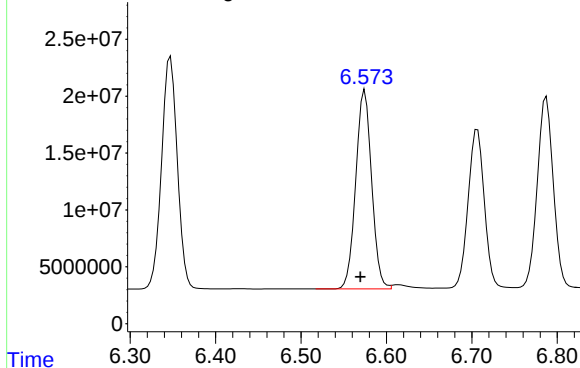
#13 Dieldrin



R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1774229417
Conc: 45.56 ng/ml

Time Response_ Signal: PD090394.D\ECD1A.ch

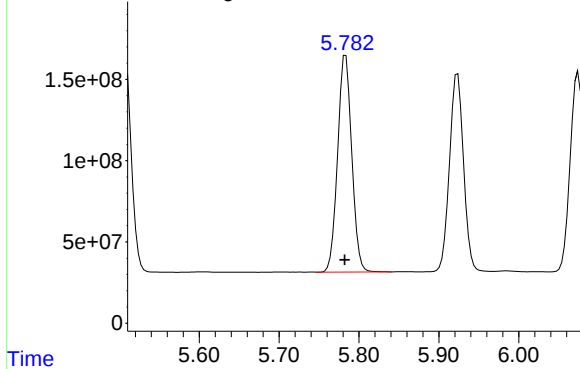
#14 Endrin



R.T.: 6.575 min
Delta R.T.: 0.005 min
Response: 225152763
Conc: 46.01 ng/ml

Time Response_ Signal: PD090394.D\ECD2B.ch

#14 Endrin



R.T.: 5.783 min
Delta R.T.: 0.001 min
Response: 1637027898
Conc: 45.69 ng/ml

Response_ Signal: PD090394.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.006 min
Response: 222952226
Conc: 45.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BS

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Supervised By :Sohil Jodhani 09/26/2025

Time Response_ Signal: PD090394.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 1544507856
Conc: 45.76 ng/ml

Time Response_ Signal: PD090394.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.005 min
Response: 186684948
Conc: 45.56 ng/ml

Time Response_ Signal: PD090394.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.001 min
Response: 1488486724
Conc: 45.90 ng/ml

Response_ Signal: PD090394.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.005 min
Response: 212566949
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BS

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Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090394.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.001 min
Response: 1651855737
Conc: 48.05 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.005 min
Response: 164181891
Conc: 47.86 ng/ml

Time

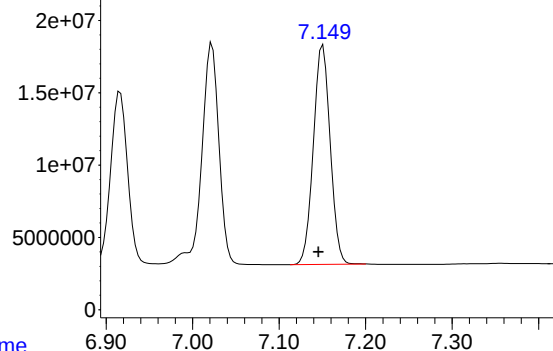
Response_ Signal: PD090394.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.001 min
Response: 1143593245
Conc: 48.57 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.005 min
Response: 203584753
Conc: 44.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

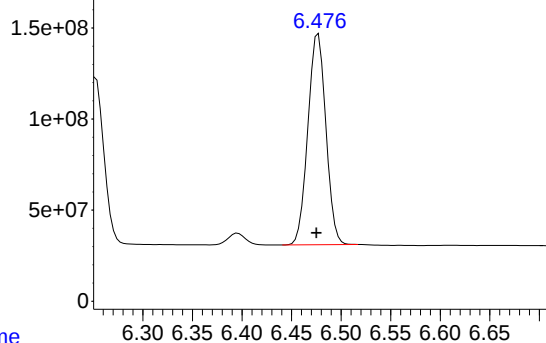
PB169826BS

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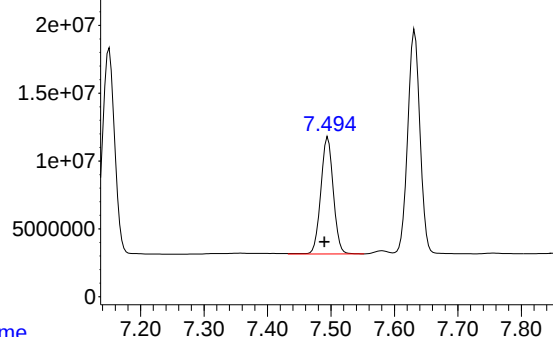
Time Response_ Signal: PD090394.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.002 min
Response: 1463626397
Conc: 44.77 ng/ml

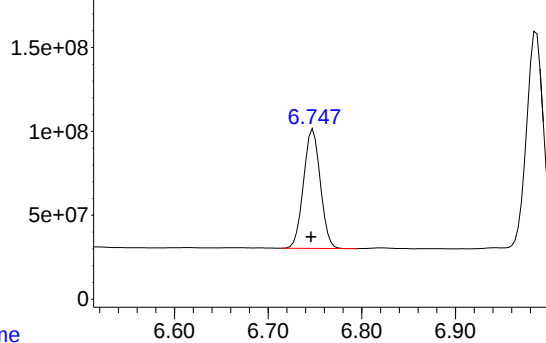
Time Response_ Signal: PD090394.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.005 min
Response: 117625170
Conc: 49.91 ng/ml

Time Response_ Signal: PD090394.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.002 min
Response: 885408537
Conc: 50.88 ng/ml

Response_ Signal: PD090394.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.005 min
Response: 221140082
Conc: 44.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169826BS

Manual Integrations
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Supervised By :Sohil Jodhani 09/26/2025

Time

Response_ Signal: PD090394.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.002 min
Response: 1628121639
Conc: 45.10 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch

#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.005 min
Response: 157229464
Conc: 42.44 ng/ml

Time

Response_ Signal: PD090394.D\ECD2B.ch

#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.002 min
Response: 1188842516
Conc: 43.06 ng/ml

Time

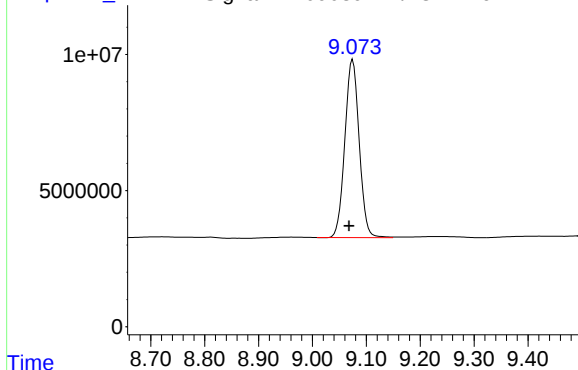
Response_ Signal: PD090394.D\ECD1A.ch

#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.002 min
Response: 1188842516
Conc: 43.06 ng/ml

Time

Response_ Signal: PD090394.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.007 min
Response: 120715077
Conc: 25.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB169826BS

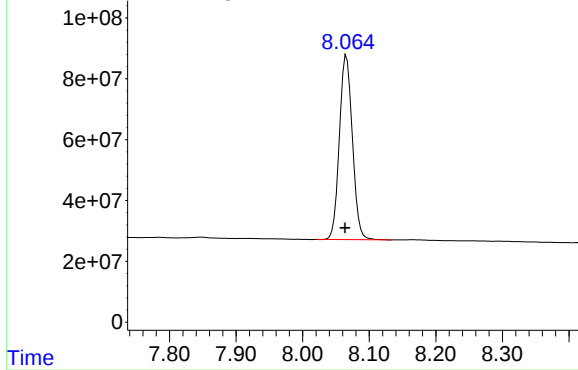
Manual Integrations

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Supervised By :Sohil Jodhani 09/26/2025

Response_ Signal: PD090394.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.002 min
Response: 821580320
Conc: 25.35 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-01MS		SDG No.:	Q3176	
Lab Sample ID:	Q3178-02MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	71.4	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097444.D	1	09/25/25 08:51	09/30/25 14:03	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	13.2		0.18	2.40	ug/kg
319-85-7	beta-BHC	12.6		0.25	2.40	ug/kg
319-86-8	delta-BHC	10.6		0.55	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	10.0		0.20	2.40	ug/kg
76-44-8	Heptachlor	9.30		0.17	2.40	ug/kg
309-00-2	Aldrin	12.0		0.17	2.40	ug/kg
1024-57-3	Heptachlor epoxide	11.7		0.27	2.40	ug/kg
959-98-8	Endosulfan I	12.6		0.20	2.40	ug/kg
60-57-1	Dieldrin	11.4		0.20	2.40	ug/kg
72-55-9	4,4-DDE	12.7		0.20	2.40	ug/kg
72-20-8	Endrin	11.6		0.20	2.40	ug/kg
33213-65-9	Endosulfan II	10.7		0.41	2.40	ug/kg
72-54-8	4,4-DDD	12.0		0.21	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	10.5		0.18	2.40	ug/kg
50-29-3	4,4-DDT	10.2		0.20	2.40	ug/kg
72-43-5	Methoxychlor	9.60		0.52	2.40	ug/kg
53494-70-5	Endrin ketone	12.1		0.27	2.40	ug/kg
7421-93-4	Endrin aldehyde	6.20		0.52	2.40	ug/kg
5103-71-9	alpha-Chlordane	12.2		0.17	2.40	ug/kg
5103-74-2	gamma-Chlordane	13.0		0.21	2.40	ug/kg
8001-35-2	Toxaphene	7.60	U	7.60	46.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	3.04	*	20 - 144	15%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.98		19 - 148	50%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-01MS		SDG No.:	Q3176	
Lab Sample ID:	Q3178-02MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	71.4	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097444.D	1	09/25/25 08:51	09/30/25 14:03	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097444.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 14:03
 Operator : AR\AJ
 Sample : Q3178-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS14-01MS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/01/2025
 Supervised By : Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:22:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.824	45182001	57993748	9.980m	8.820
28)	SA Decachlor...	8.997	7.982	8555489	17293150	2.615m	3.038
Target Compounds							
2)	A alpha-BHC	3.973	3.328	191.8E6	282.7E6	27.452	28.388
3)	MA gamma-BHC...	4.301	3.660	135.7E6	199.4E6	20.526	21.404
4)	MA Heptachlor	4.891	4.008	129.0E6	185.5E6	19.337	19.930
5)	MB Aldrin	5.230	4.290	153.9E6	223.3E6	24.293	25.729
6)	B beta-BHC	4.488	3.956	73518562	106.9E6	26.968	26.316
7)	B delta-BHC	4.732	4.188	137.3E6	195.9E6	22.632m	21.307
8)	B Heptachlo...	5.648	4.791	142.5E6	198.3E6	24.798m	25.006
9)	A Endosulfan I	6.031	5.162	139.6E6	171.3E6	26.951	22.295
10)	B gamma-Chl...	5.904	5.044	157.4E6	214.3E6	27.841	24.542
11)	B alpha-Chl...	5.984	5.107	148.6E6	199.0E6	26.160	23.978
12)	B 4,4'-DDE	6.154	5.296	130.1E6	187.3E6	27.315	24.376
13)	MA Dieldrin	6.303	5.427	134.0E6	189.1E6	24.449	23.129
14)	MA Endrin	6.530	5.701	115.0E6	167.2E6	24.935	22.268
15)	B Endosulfa...	6.743	5.992	113.1E6	145.2E6	22.993	20.422
16)	A 4,4'-DDD	6.663	5.849	96970196	133.4E6	25.718	20.690
17)	MA 4,4'-DDT	6.975	6.100	92748896	106.2E6	21.941m	15.340 #
18)	B Endrin al...	6.872	6.171	40902283	52857582	13.268	9.903 #
19)	B Endosulfa...	7.105	6.394	91828185	111.4E6	22.492	16.268 #
20)	A Methoxychlor	7.450	6.672	42900344	57322985	20.572	15.207 #
21)	B Endrin ke...	7.583	6.897	109.9E6	137.7E6	25.901m	18.285m#
22)	Mirex	8.063	7.088	95792166	119.8E6	26.981	20.044 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 14:03
Operator : AR\AJ
Sample : Q3178-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

EME-TS14-01MS

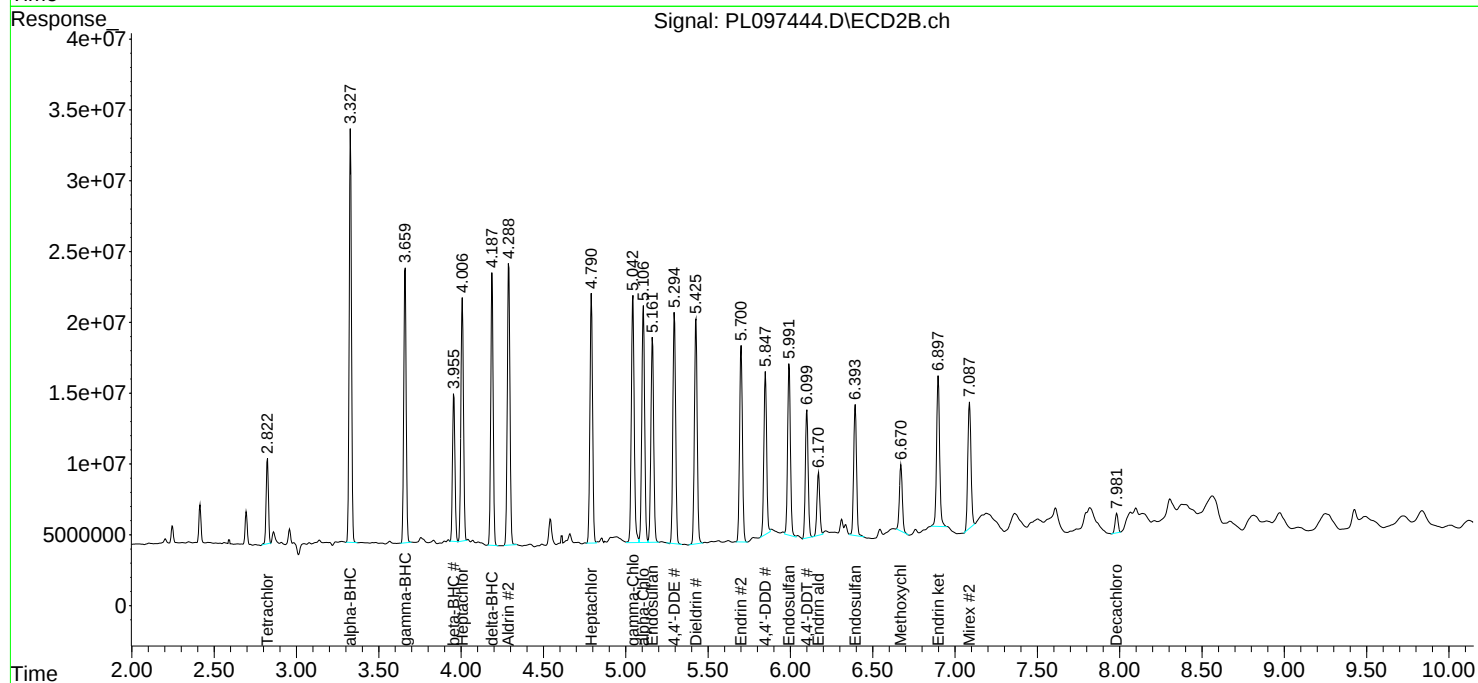
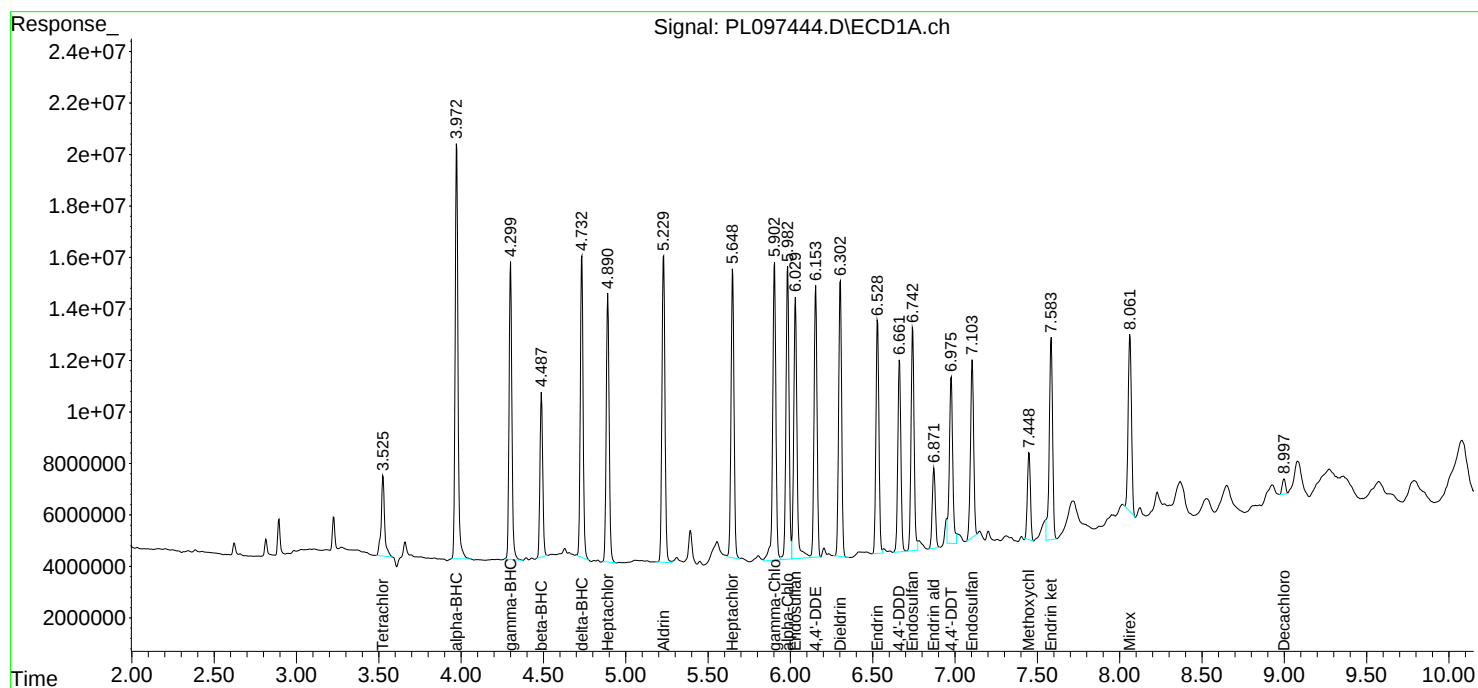
Manual Integrations

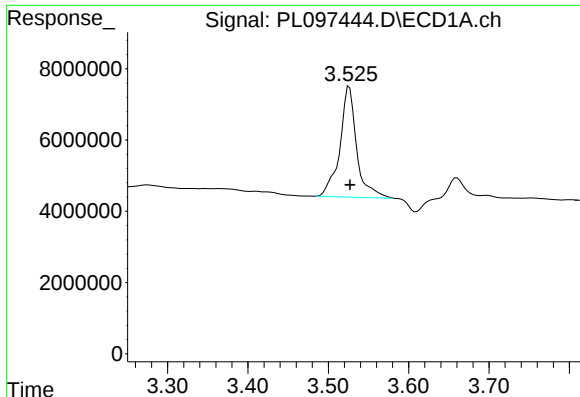
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:22:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





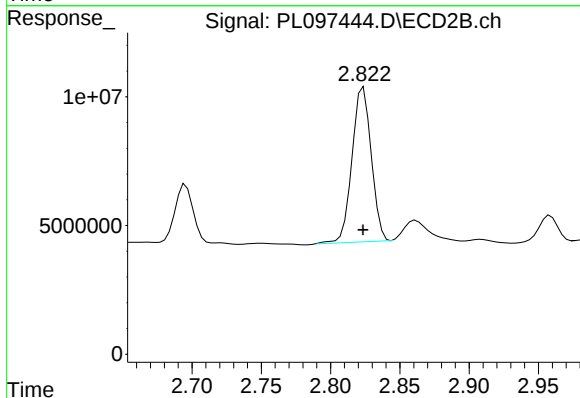
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 45182001
Conc: 9.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

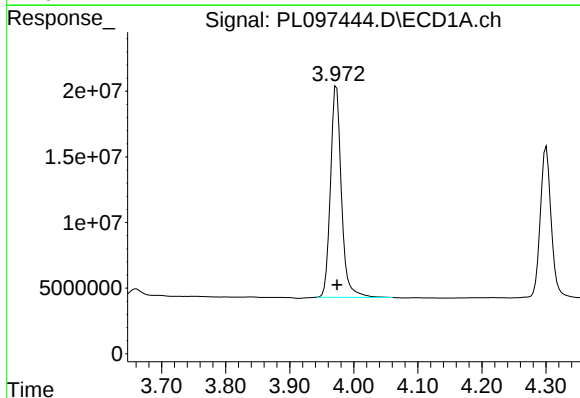
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



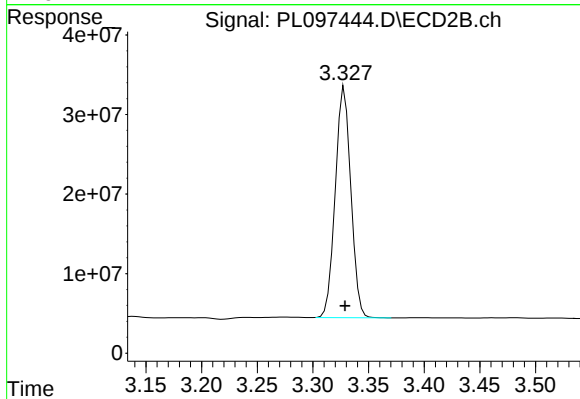
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 57993748
Conc: 8.82 ng/ml



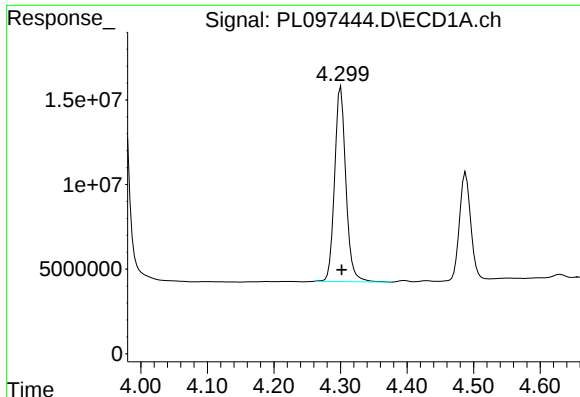
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 191816040
Conc: 27.45 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 282678259
Conc: 28.39 ng/ml



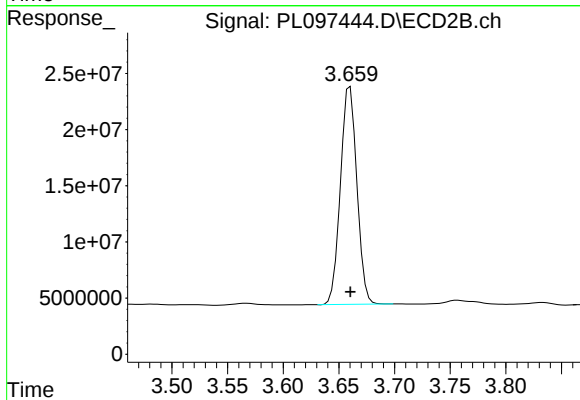
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.002 min
Response: 135743397
Conc: 20.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

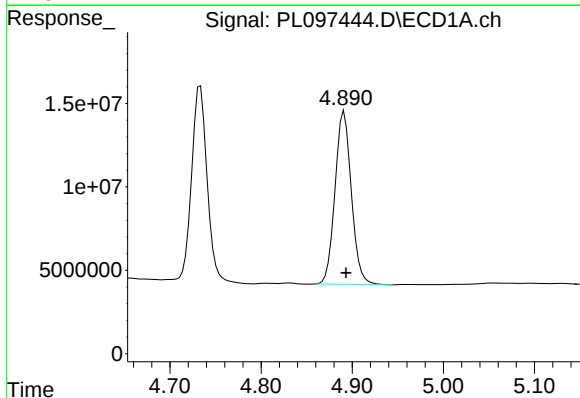
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



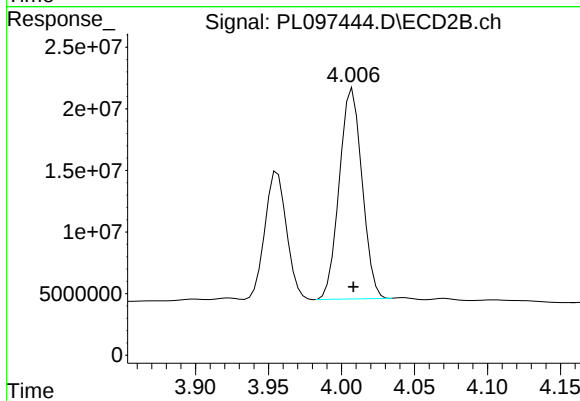
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 199372923
Conc: 21.40 ng/ml



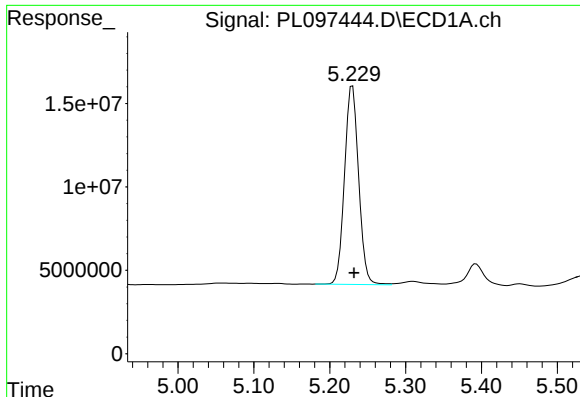
#4 Heptachlor

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 128976755
Conc: 19.34 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 185453199
Conc: 19.93 ng/ml



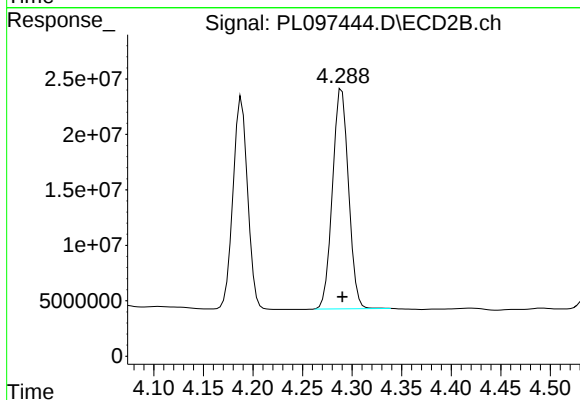
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 153867131
Conc: 24.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

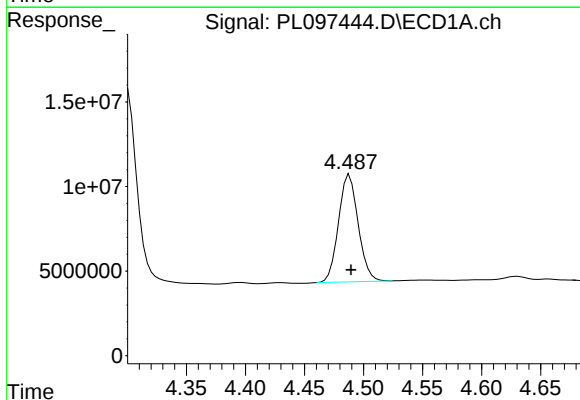
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



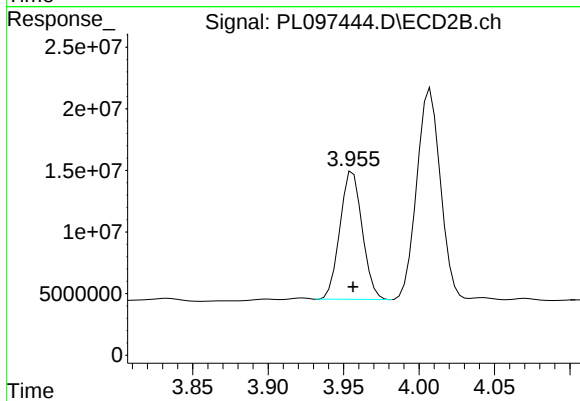
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: 0.000 min
Response: 223308100
Conc: 25.73 ng/ml



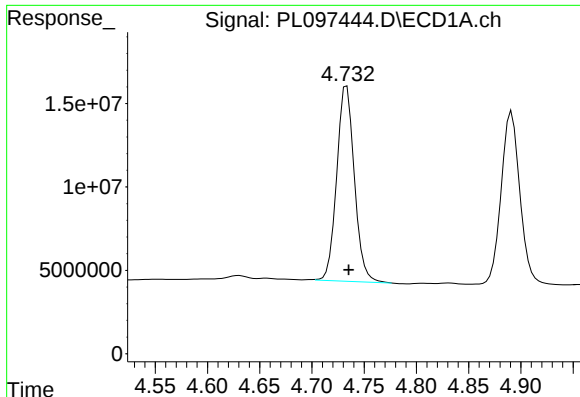
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 73518562
Conc: 26.97 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 106897487
Conc: 26.32 ng/ml



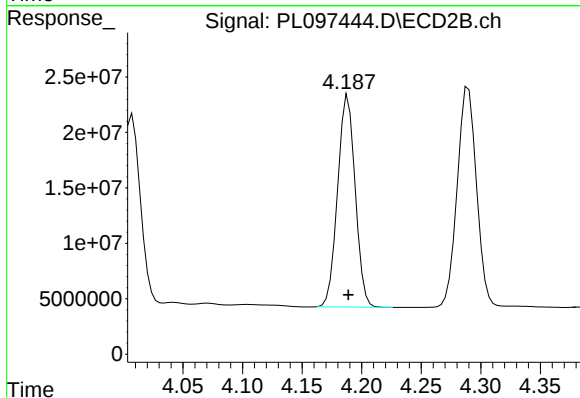
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: -0.003 min
Response: 137340505
Conc: 22.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

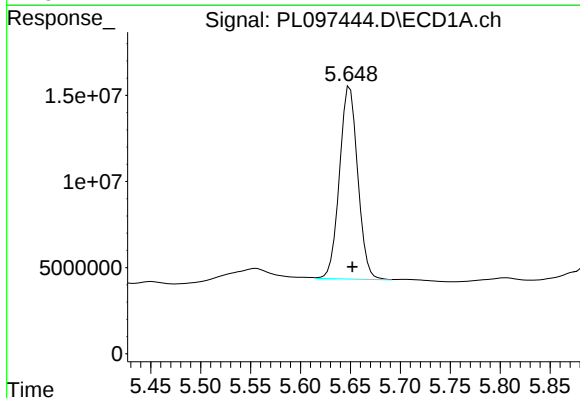
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



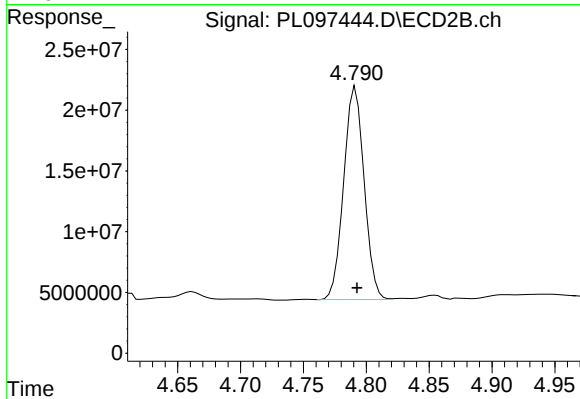
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 195862054
Conc: 21.31 ng/ml



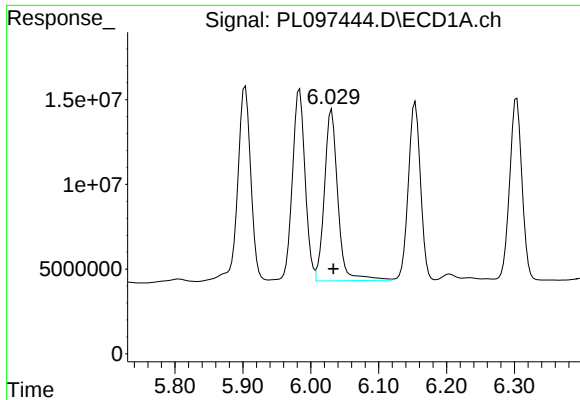
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.004 min
Response: 142513497
Conc: 24.80 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 198335722
Conc: 25.01 ng/ml



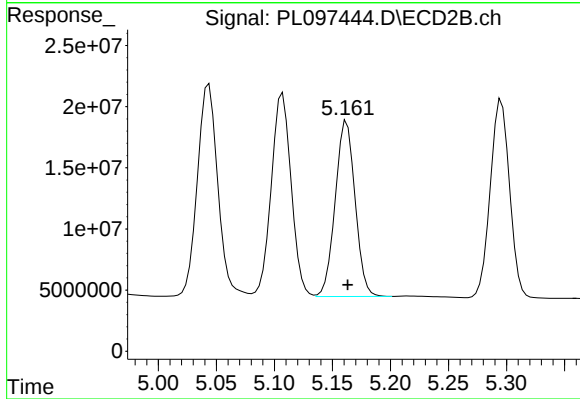
#9 Endosulfan I

R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 139642590
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

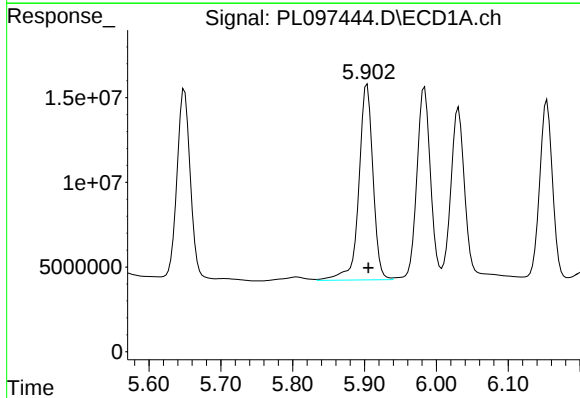
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



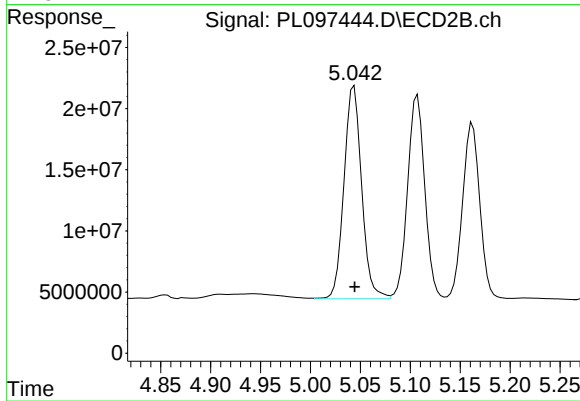
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: 0.000 min
Response: 171303397
Conc: 22.29 ng/ml



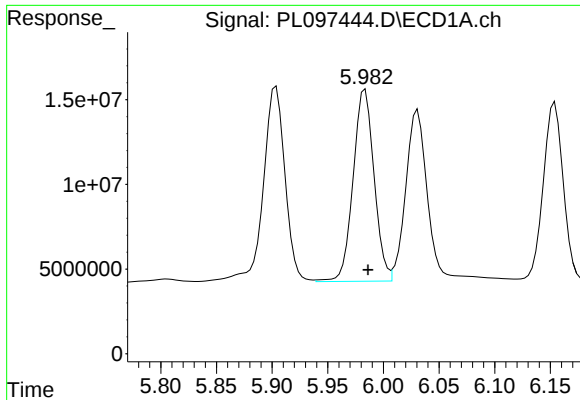
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: -0.002 min
Response: 157399181
Conc: 27.84 ng/ml



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 214347837
Conc: 24.54 ng/ml



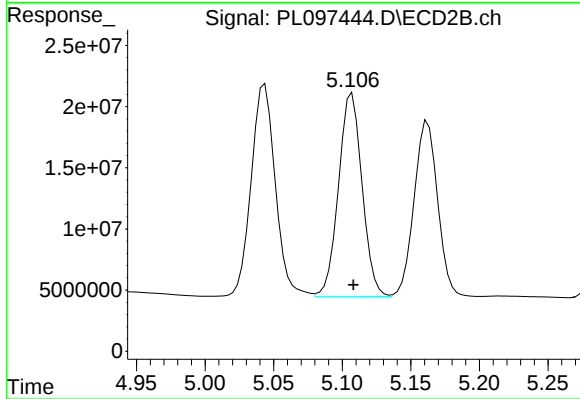
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.003 min
Response: 148587463
Conc: 26.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

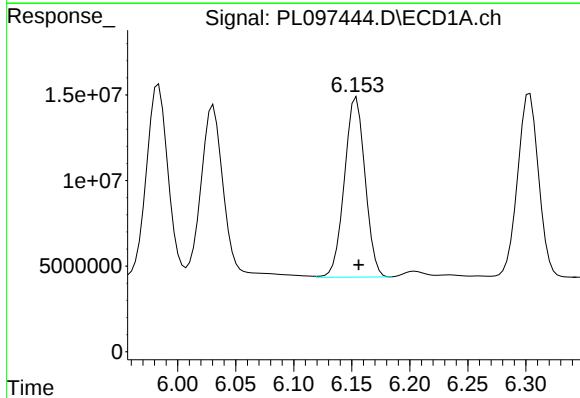
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



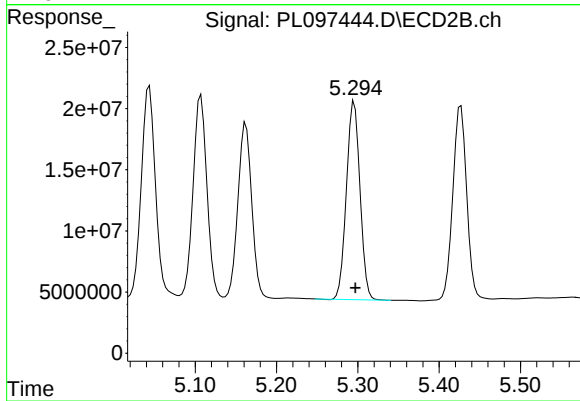
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 199026874
Conc: 23.98 ng/ml



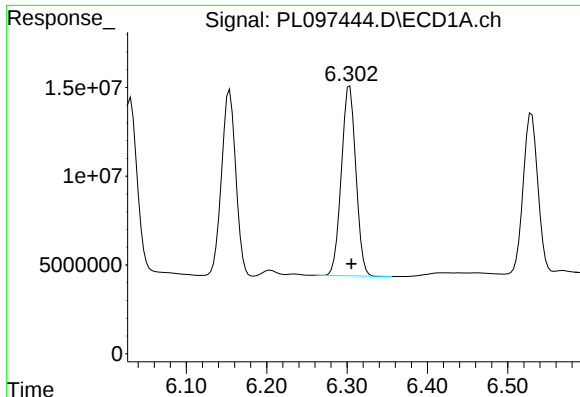
#12 4,4'-DDE

R.T.: 6.154 min
Delta R.T.: -0.002 min
Response: 130148393
Conc: 27.32 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.001 min
Response: 187324120
Conc: 24.38 ng/ml



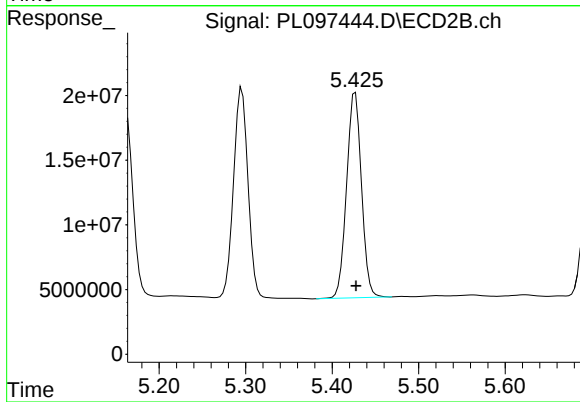
#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.002 min
Response: 134032738
Conc: 24.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

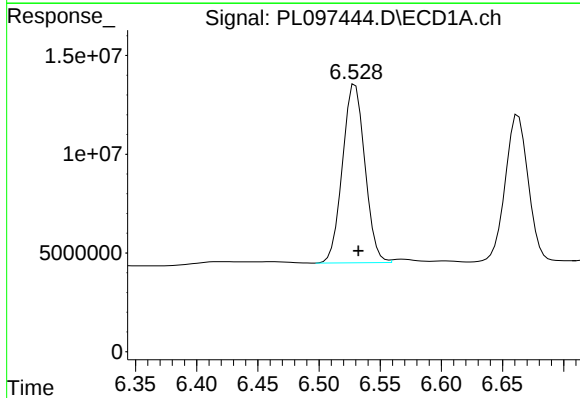
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



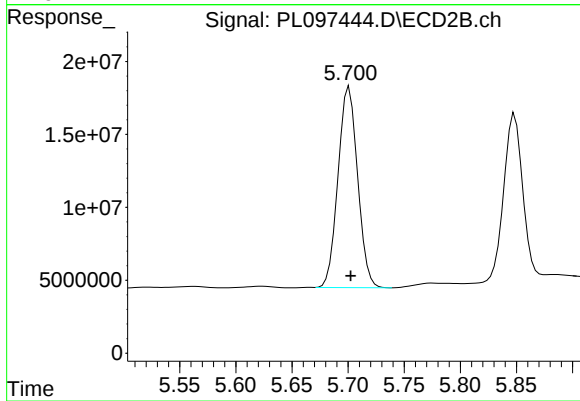
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.001 min
Response: 189122076
Conc: 23.13 ng/ml



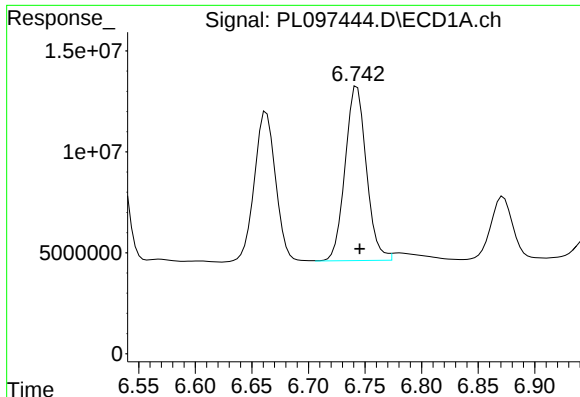
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.003 min
Response: 115028771
Conc: 24.94 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.001 min
Response: 167245681
Conc: 22.27 ng/ml



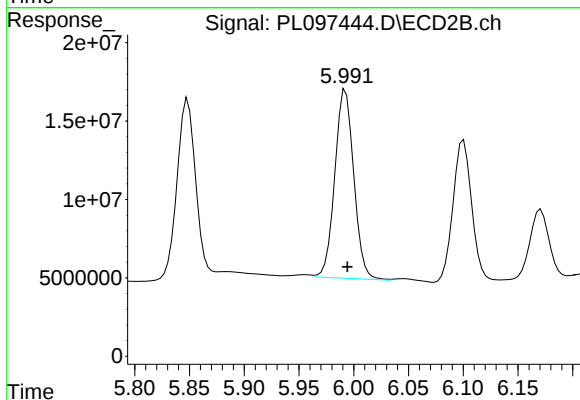
#15 Endosulfan II

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 113090028
Conc: 22.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

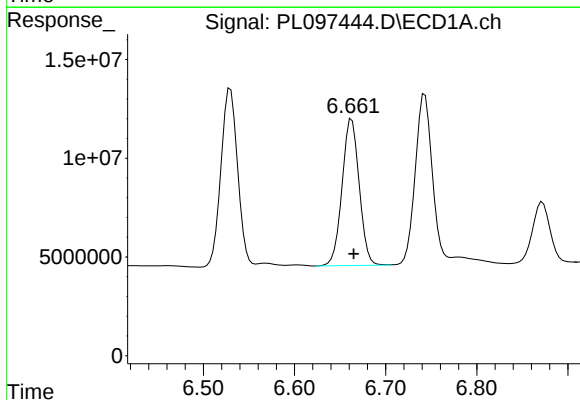
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



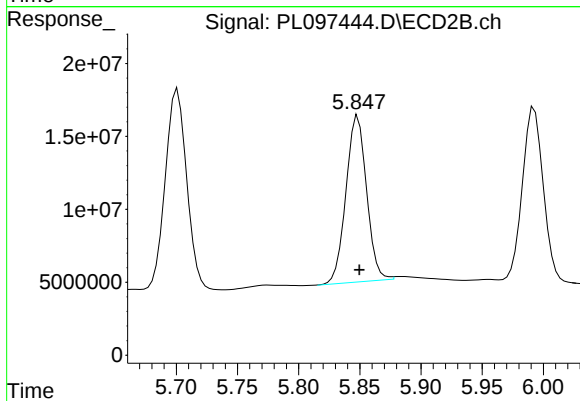
#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: -0.002 min
Response: 145185786
Conc: 20.42 ng/ml



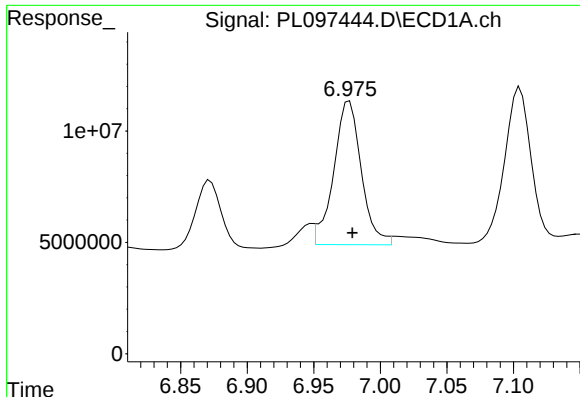
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 96970196
Conc: 25.72 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.001 min
Response: 133430874
Conc: 20.69 ng/ml



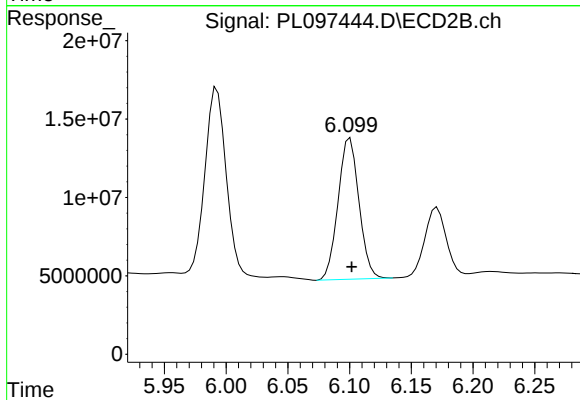
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 92748896
Conc: 21.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

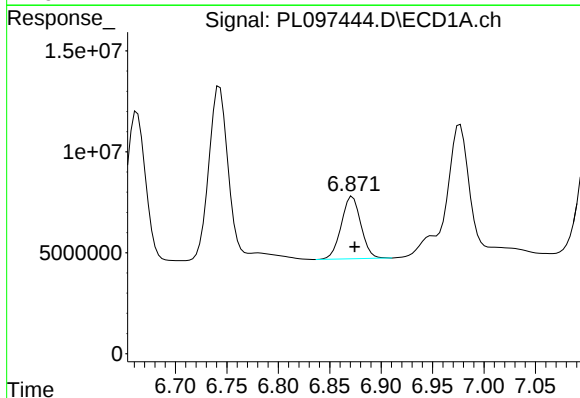
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



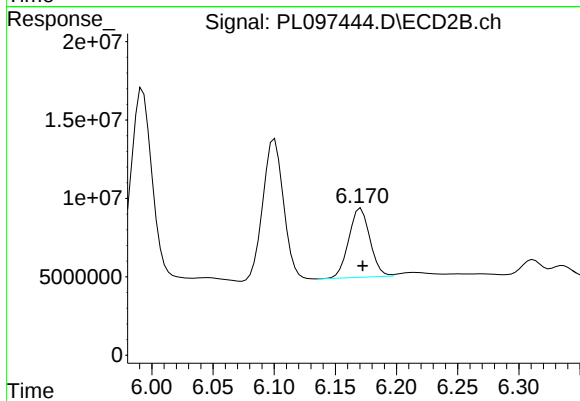
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 106163728
Conc: 15.34 ng/ml



#18 Endrin aldehyde

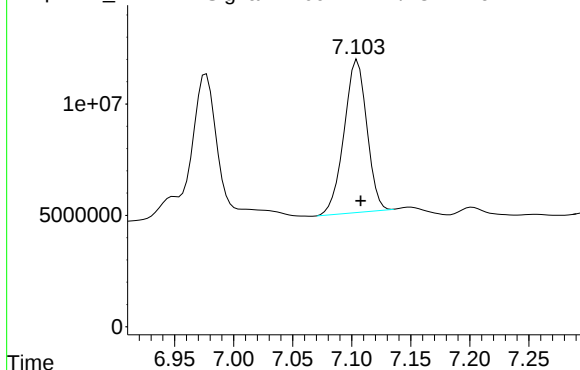
R.T.: 6.872 min
Delta R.T.: -0.002 min
Response: 40902283
Conc: 13.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 52857582
Conc: 9.90 ng/ml

Signal: PL097444.D\ECD1A.ch



#19 Endosulfan Sulfate

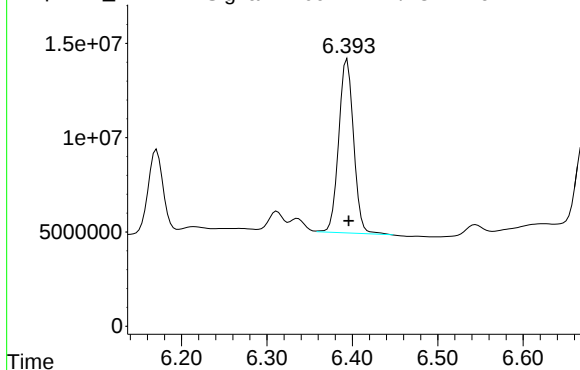
R.T.: 7.105 min
Delta R.T.: -0.003 min
Response: 91828185
Conc: 22.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025

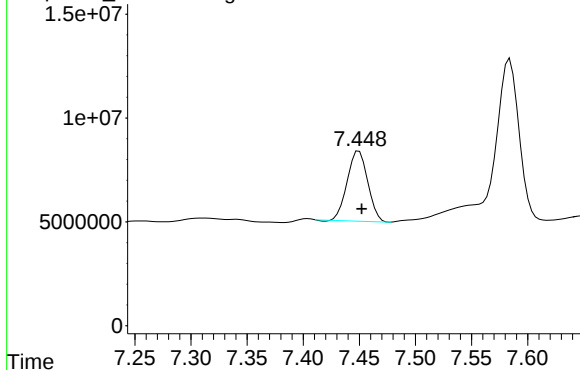
Signal: PL097444.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 111428985
Conc: 16.27 ng/ml

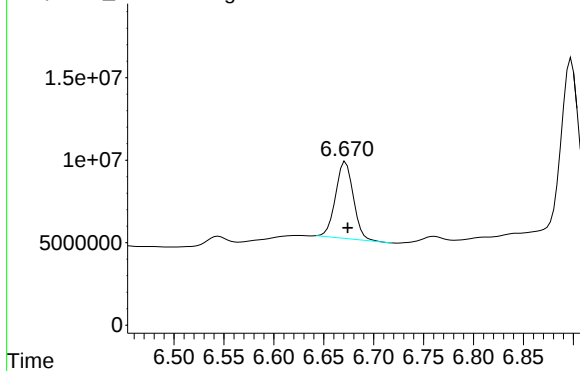
Signal: PL097444.D\ECD1A.ch



#20 Methoxychlor

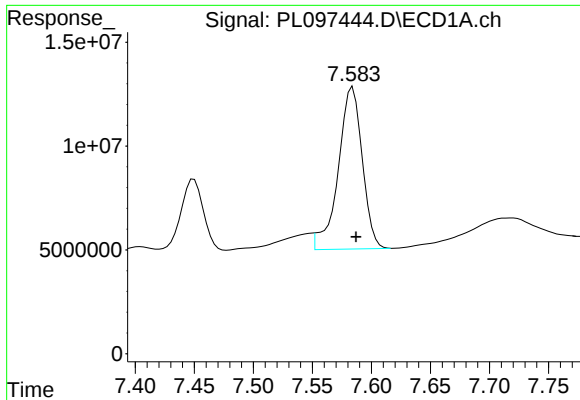
R.T.: 7.450 min
Delta R.T.: -0.003 min
Response: 42900344
Conc: 20.57 ng/ml

Signal: PL097444.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 57322985
Conc: 15.21 ng/ml



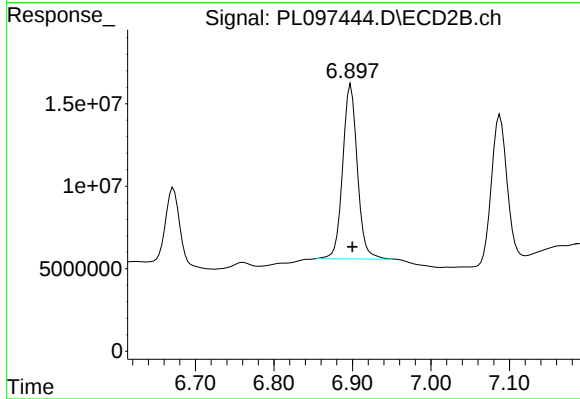
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: -0.004 min
Response: 109934853
Conc: 25.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

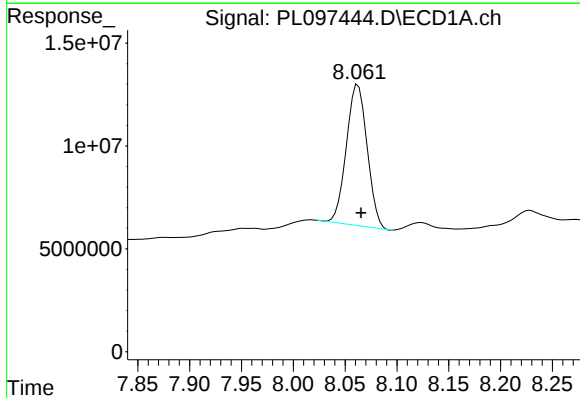
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



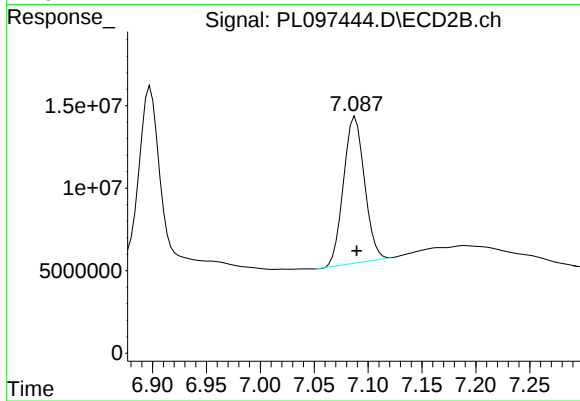
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.003 min
Response: 137690421
Conc: 18.28 ng/ml m



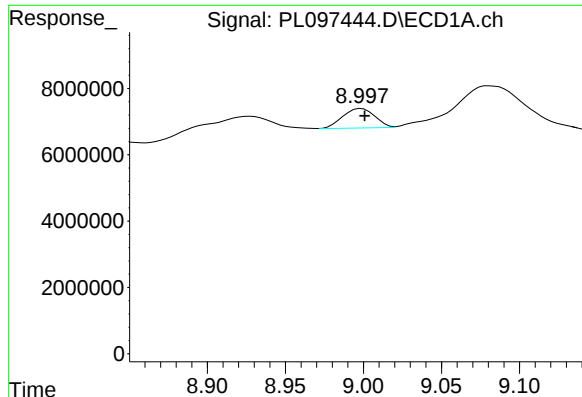
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 95792166
Conc: 26.98 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.001 min
Response: 119834318
Conc: 20.04 ng/ml



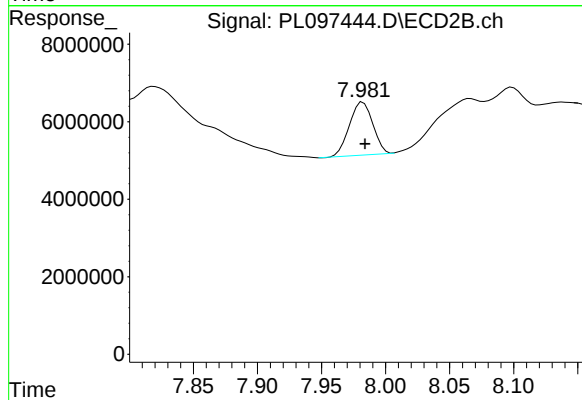
#28 Decachlorobiphenyl

R.T.: 8.997 min
Delta R.T.: -0.003 min
Response: 8555489
Conc: 2.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 17293150
Conc: 3.04 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-01MSD		SDG No.:	Q3176	
Lab Sample ID:	Q3178-03MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	71.4	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097445.D	1	09/25/25 08:51	09/30/25 14:16	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.18	2.40	ug/kg
319-85-7	beta-BHC	15.7		0.25	2.40	ug/kg
319-86-8	delta-BHC	13.9		0.55	2.40	ug/kg
58-89-9	gamma-BHC (Lindane)	4.10		0.20	2.40	ug/kg
76-44-8	Heptachlor	6.50		0.17	2.40	ug/kg
309-00-2	Aldrin	15.5		0.17	2.40	ug/kg
1024-57-3	Heptachlor epoxide	15.1		0.27	2.40	ug/kg
959-98-8	Endosulfan I	14.6		0.20	2.40	ug/kg
60-57-1	Dieldrin	14.7		0.20	2.40	ug/kg
72-55-9	4,4-DDE	16.4		0.20	2.40	ug/kg
72-20-8	Endrin	16.3		0.20	2.40	ug/kg
33213-65-9	Endosulfan II	13.2		0.41	2.40	ug/kg
72-54-8	4,4-DDD	16.2		0.21	2.40	ug/kg
1031-07-8	Endosulfan Sulfate	12.6		0.18	2.40	ug/kg
50-29-3	4,4-DDT	11.7		0.20	2.40	ug/kg
72-43-5	Methoxychlor	10.8		0.52	2.40	ug/kg
53494-70-5	Endrin ketone	15.0		0.27	2.40	ug/kg
7421-93-4	Endrin aldehyde	6.30		0.52	2.40	ug/kg
5103-71-9	alpha-Chlordane	15.3		0.17	2.40	ug/kg
5103-74-2	gamma-Chlordane	15.8		0.21	2.40	ug/kg
8001-35-2	Toxaphene	7.60	U	7.60	46.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	5.43		20 - 144	27%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.1		19 - 148	51%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-01MSD		SDG No.:	Q3176	
Lab Sample ID:	Q3178-03MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	71.4	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097445.D	1	09/25/25 08:51	09/30/25 14:16	PB169826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 14:16
 Operator : AR\AJ
 Sample : Q3178-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS14-01MSD

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/01/2025
 Supervised By : Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:22:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.824	45833730	65928158	10.124m	10.026
2)	SA Decachlor...	8.996	7.982	17767854	24895421	5.430m	4.374
Target Compounds							
2)	A alpha-BHC	3.973	3.328	243.0E6	345.6E6	34.772	34.706
3)	MA gamma-BHC...	4.301	3.660	58079119	80263000	8.782	8.617
4)	MA Heptachlor	4.892	4.008	92599158	127.7E6	13.883	13.722
5)	MB Aldrin	5.230	4.290	198.5E6	288.5E6	31.332	33.245
6)	B beta-BHC	4.488	3.956	91562013	133.5E6	33.586	32.870
7)	B delta-BHC	4.732	4.188	181.3E6	268.8E6	29.869m	29.238
8)	B Heptachlo...	5.648	4.791	181.7E6	257.7E6	31.611m	32.495
9)	A Endosulfan I	6.030	5.162	162.8E6	216.0E6	31.414m	28.112
10)	B gamma-Chl...	5.902	5.043	191.5E6	278.4E6	33.874m	31.879
11)	B alpha-Chl...	5.982	5.107	186.5E6	260.5E6	32.840m	31.378
12)	B 4,4'-DDE	6.153	5.296	168.0E6	236.2E6	35.263m	30.738
13)	MA Dieldrin	6.303	5.427	171.1E6	257.6E6	31.219	31.502
14)	MA Endrin	6.530	5.702	145.5E6	262.5E6	31.549	34.951
15)	B Endosulfa...	6.742	5.993	139.4E6	189.5E6	28.353m	26.657
16)	A 4,4'-DDD	6.662	5.848	131.3E6	177.0E6	34.813m	27.449
17)	MA 4,4'-DDT	6.975	6.100	105.9E6	140.2E6	25.062m	20.262
18)	B Endrin al...	6.870	6.171	41692420	54187811	13.524m	10.152
19)	B Endosulfa...	7.105	6.394	110.4E6	155.8E6	27.044	22.739
20)	A Methoxychlor	7.449	6.672	48410025	77117673	23.214	20.458
21)	B Endrin ke...	7.582	6.898	136.3E6	162.4E6	32.120m	21.568 #
22)	Mirex	8.063	7.088	113.4E6	154.6E6	31.945	25.860

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 14:16
Operator : AR\AJ
Sample : Q3178-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

EME-TS14-01MSD

Manual Integrations

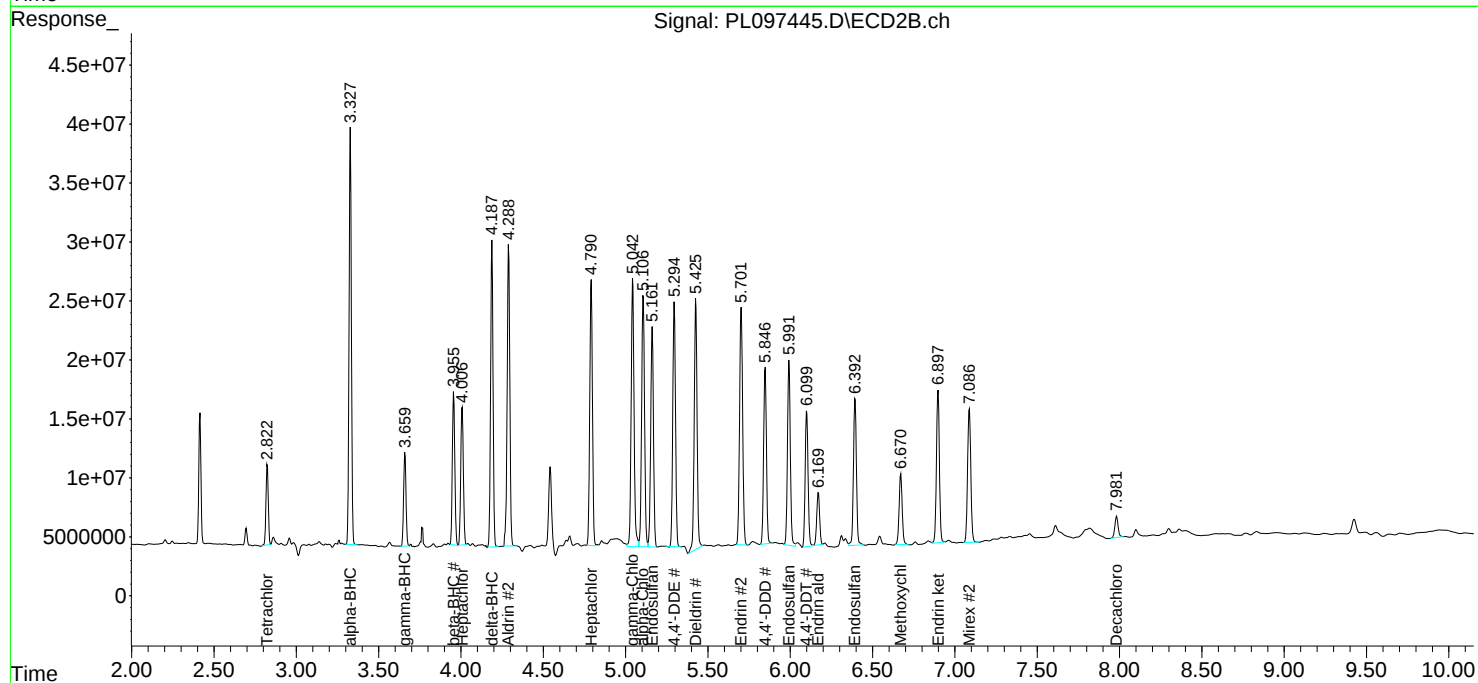
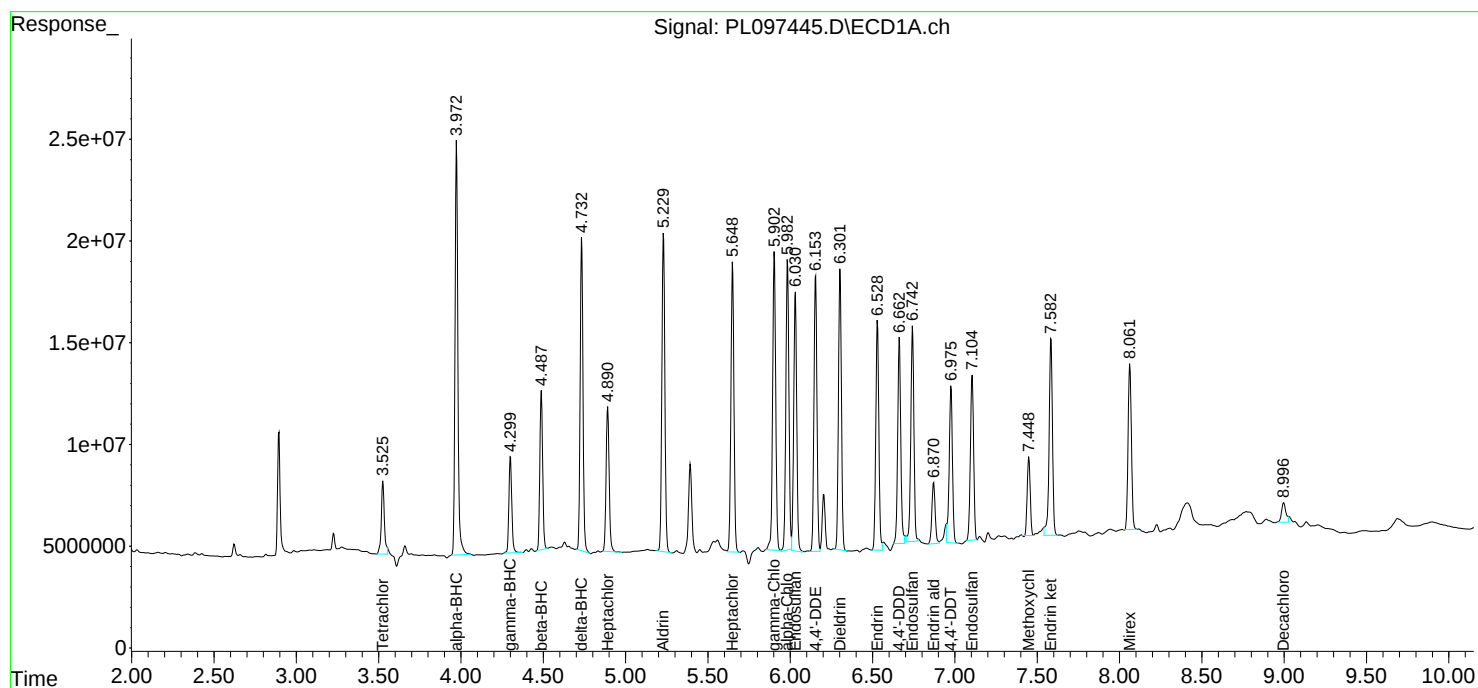
APPROVED

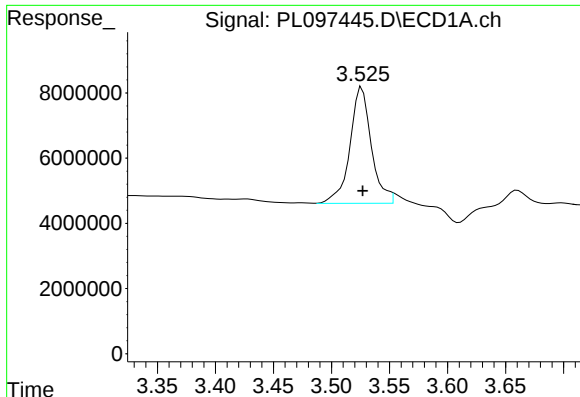
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :Sohil Jodhani 10/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





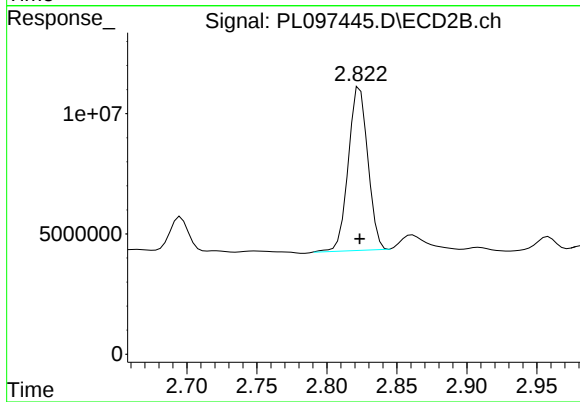
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 45833730
Conc: 10.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

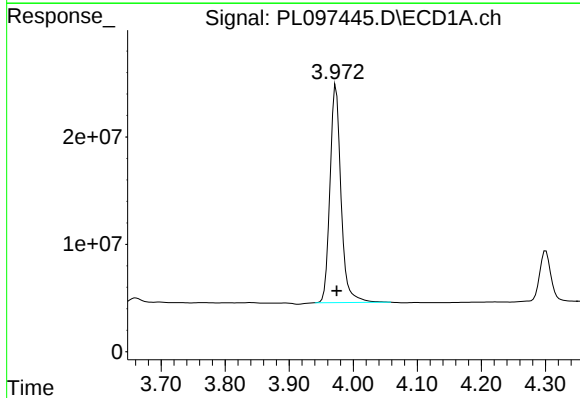
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



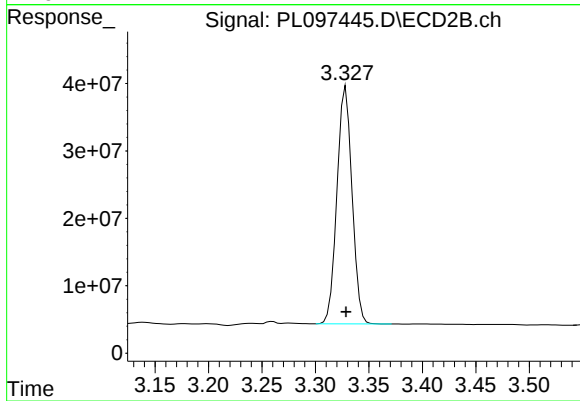
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 65928158
Conc: 10.03 ng/ml



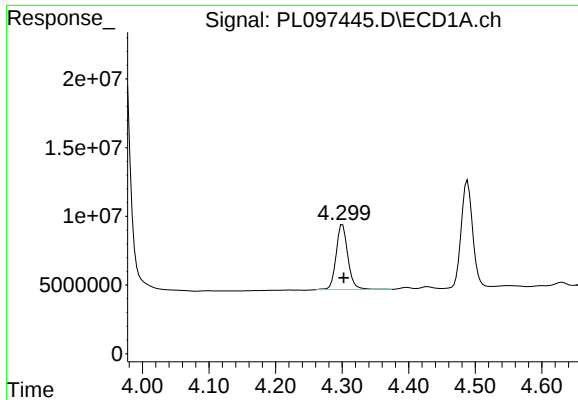
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 242969229
Conc: 34.77 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 345588327
Conc: 34.71 ng/ml



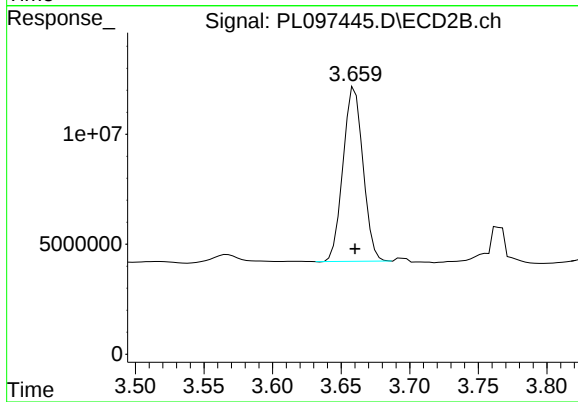
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.002 min
Response: 58079119
Conc: 8.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

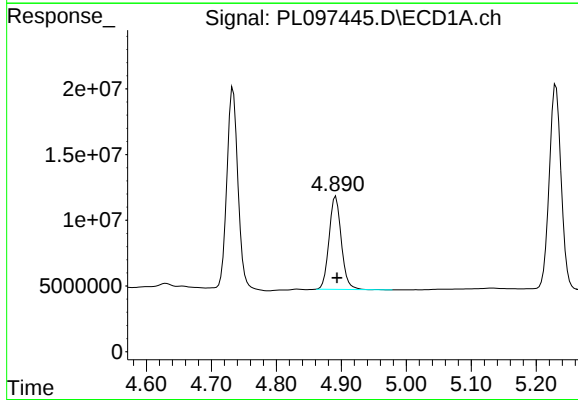
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



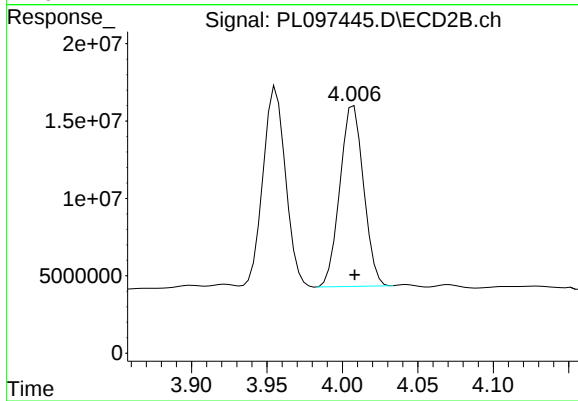
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 80263000
Conc: 8.62 ng/ml



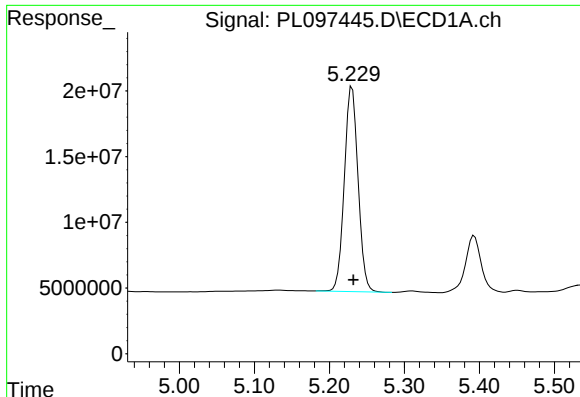
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.002 min
Response: 92599158
Conc: 13.88 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 127685701
Conc: 13.72 ng/ml



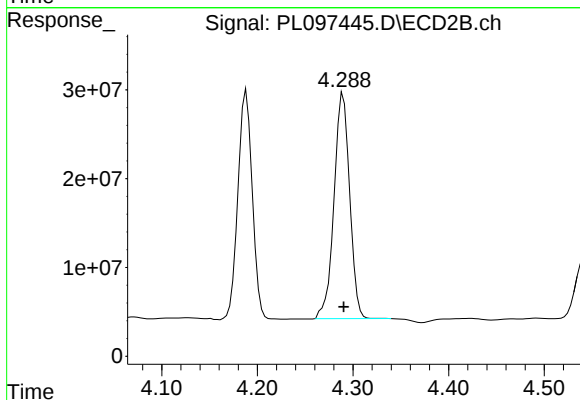
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 198451357
Conc: 31.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

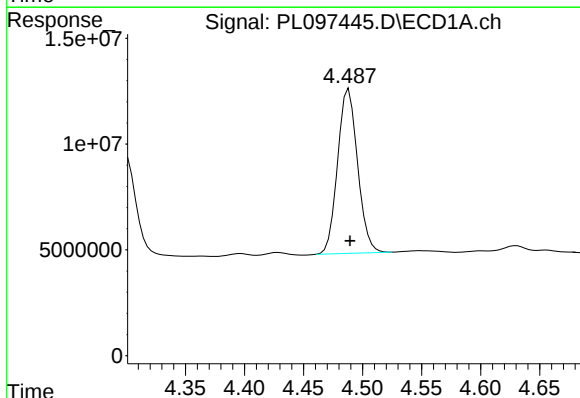
Manual Integrations
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Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



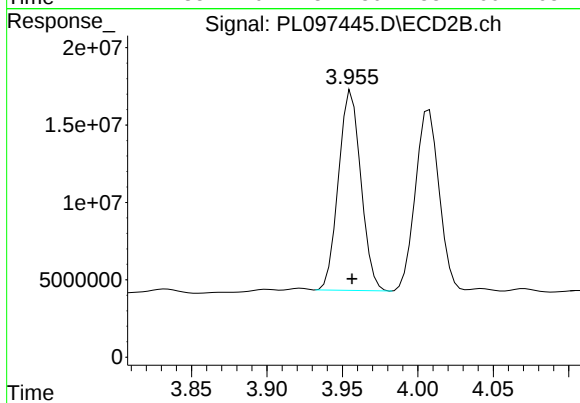
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: 0.000 min
Response: 288543487
Conc: 33.24 ng/ml



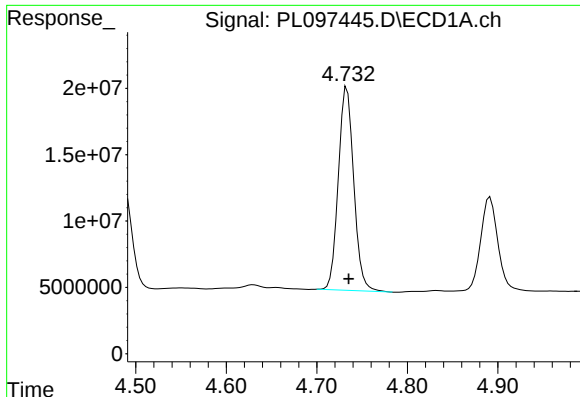
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 91562013
Conc: 33.59 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 133519103
Conc: 32.87 ng/ml



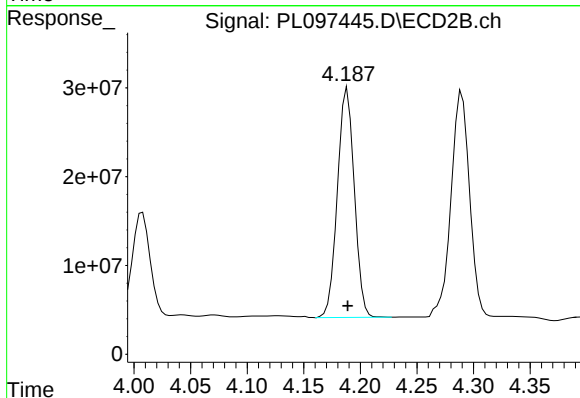
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: -0.003 min
Response: 181252974
Conc: 29.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

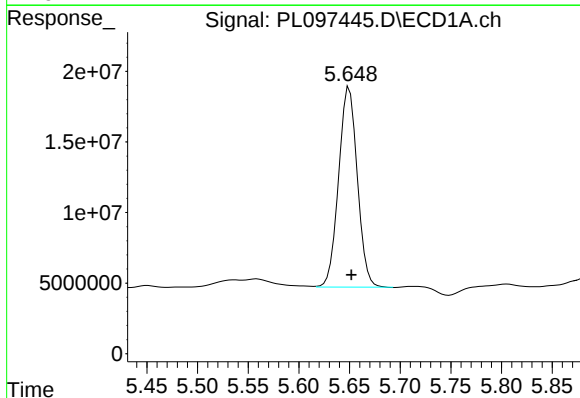
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



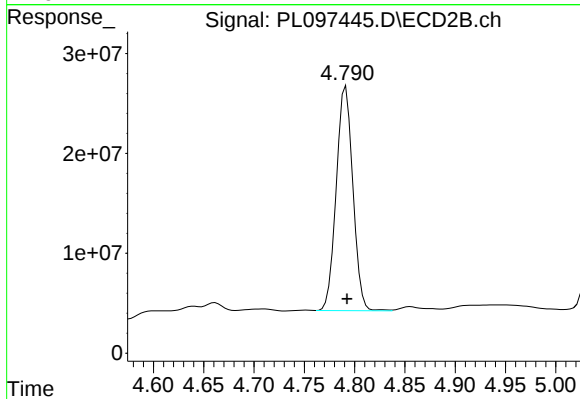
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 268758370
Conc: 29.24 ng/ml



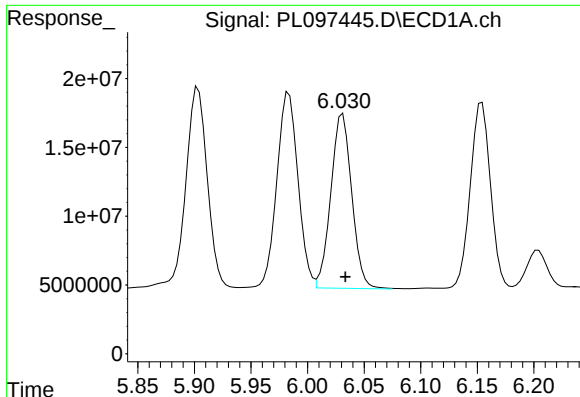
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.003 min
Response: 181666301
Conc: 31.61 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 257735329
Conc: 32.49 ng/ml



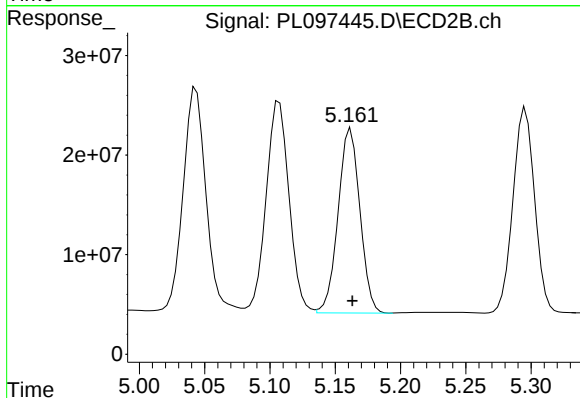
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 162764551
Conc: 31.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

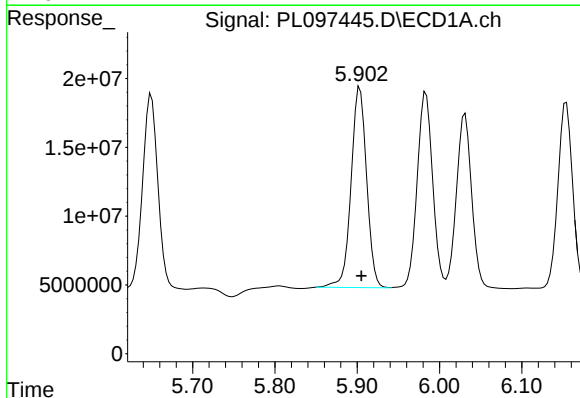
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



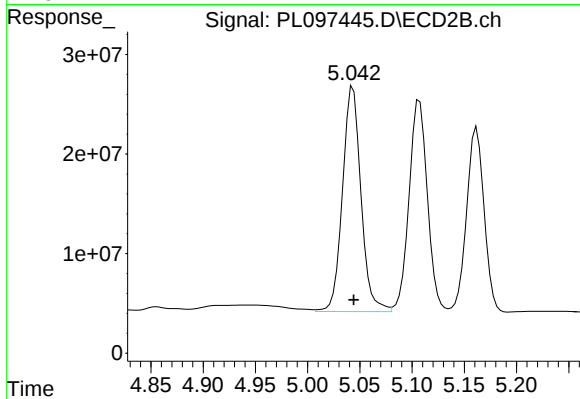
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.001 min
Response: 216001209
Conc: 28.11 ng/ml



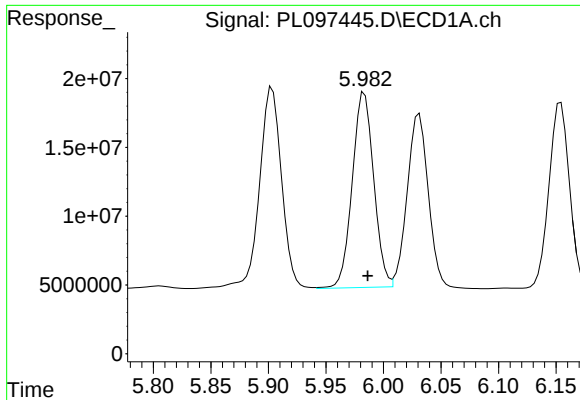
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: -0.003 min
Response: 191505419
Conc: 33.87 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 278423882
Conc: 31.88 ng/ml



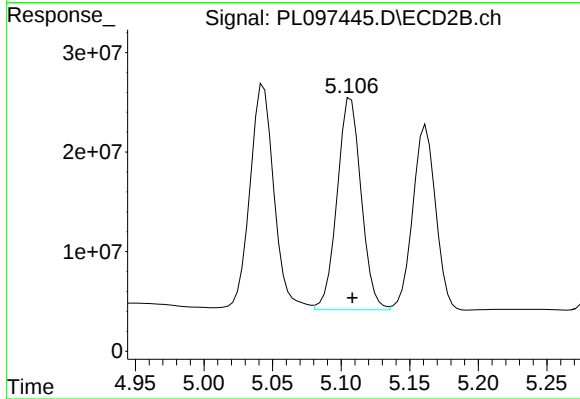
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: -0.004 min
Response: 186530353
Conc: 32.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

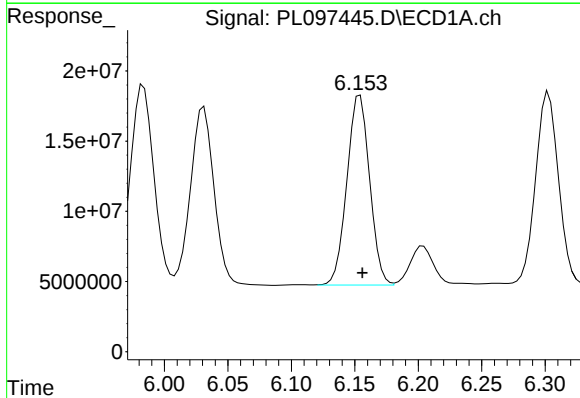
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



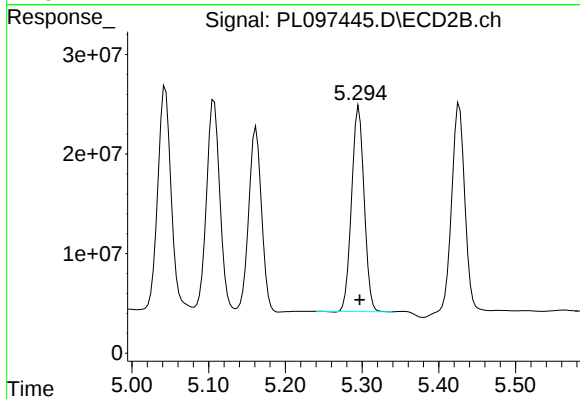
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 260452043
Conc: 31.38 ng/ml



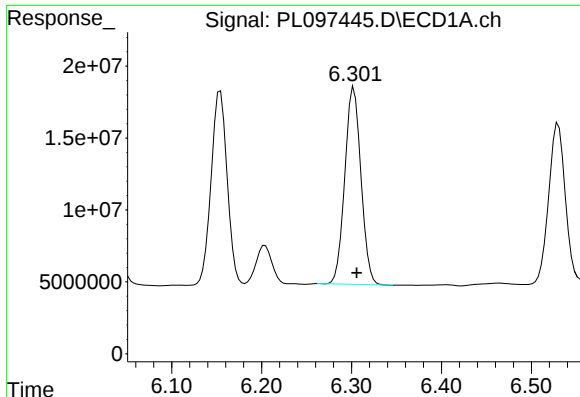
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.003 min
Response: 168018221
Conc: 35.26 ng/ml m



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.001 min
Response: 236212887
Conc: 30.74 ng/ml



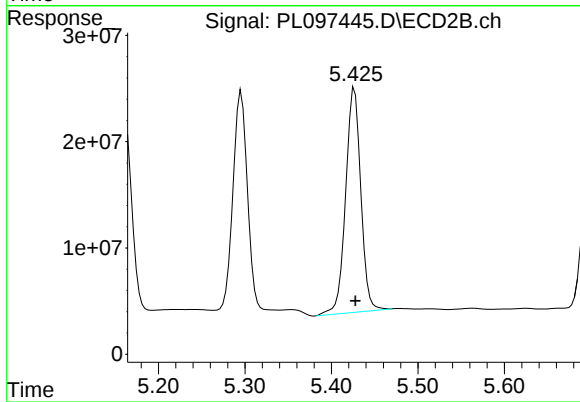
#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.003 min
Response: 171145238
Conc: 31.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

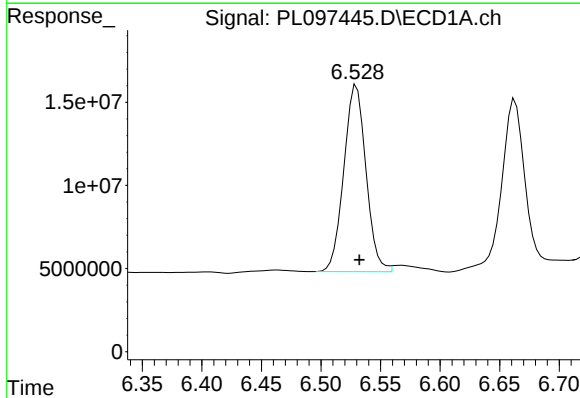
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



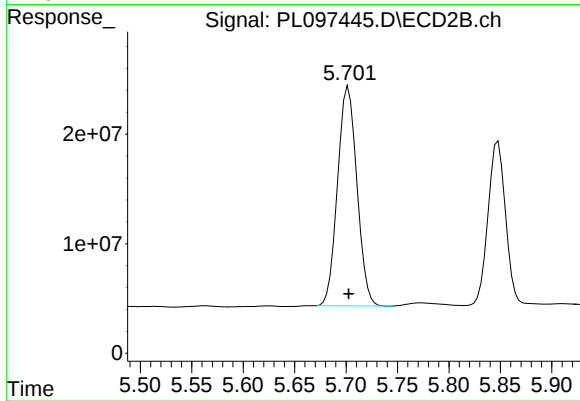
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.001 min
Response: 257581303
Conc: 31.50 ng/ml



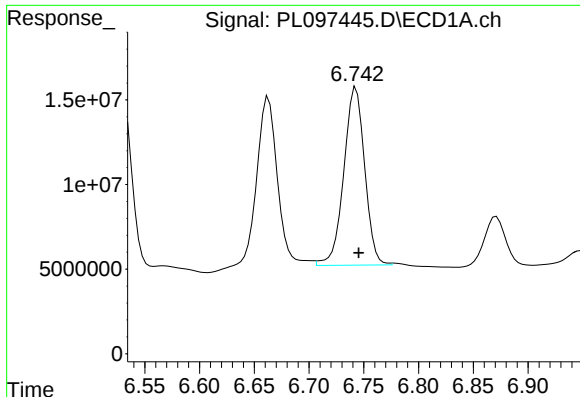
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 145540048
Conc: 31.55 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 262500342
Conc: 34.95 ng/ml



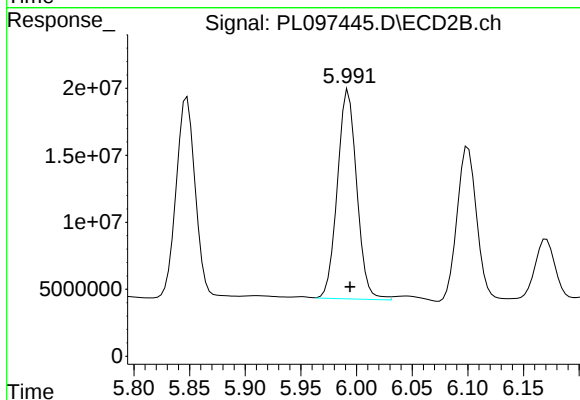
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: -0.004 min
Response: 139448372
Conc: 28.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

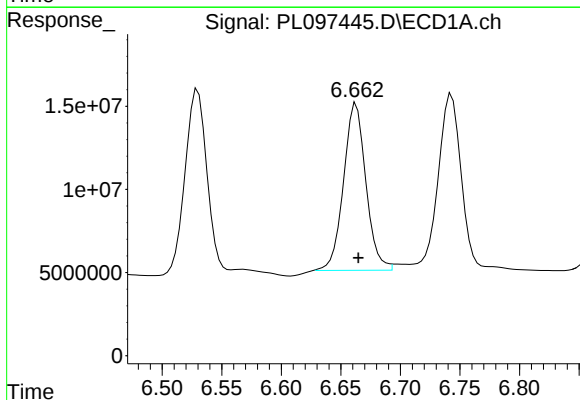
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



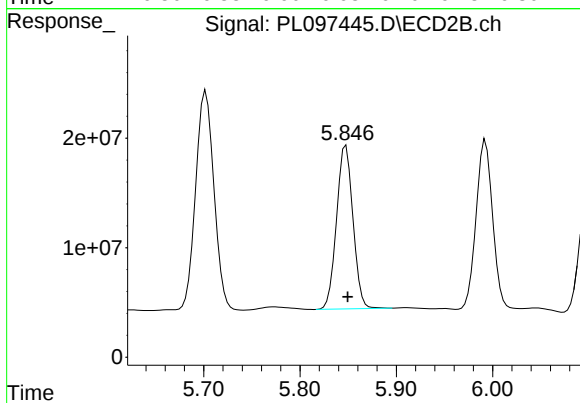
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.002 min
Response: 189509132
Conc: 26.66 ng/ml



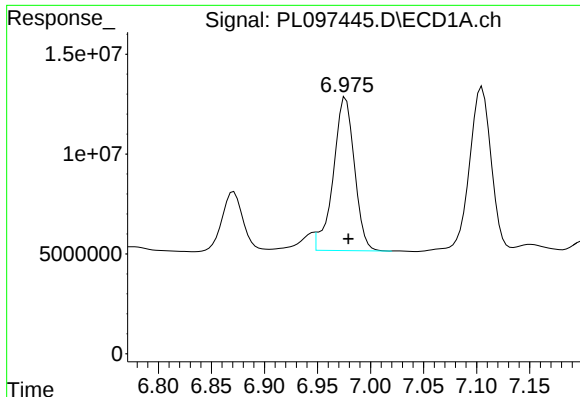
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: -0.003 min
Response: 131265232
Conc: 34.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 177019413
Conc: 27.45 ng/ml



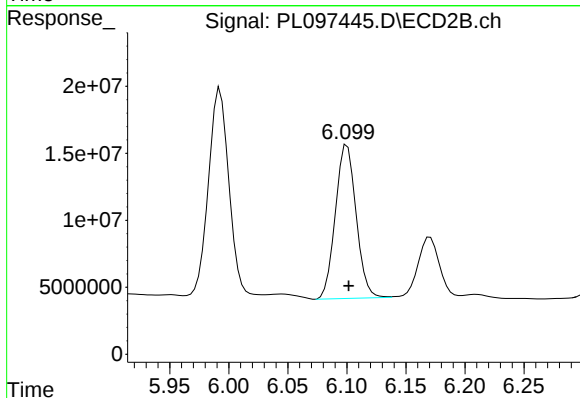
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 105943231
Conc: 25.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

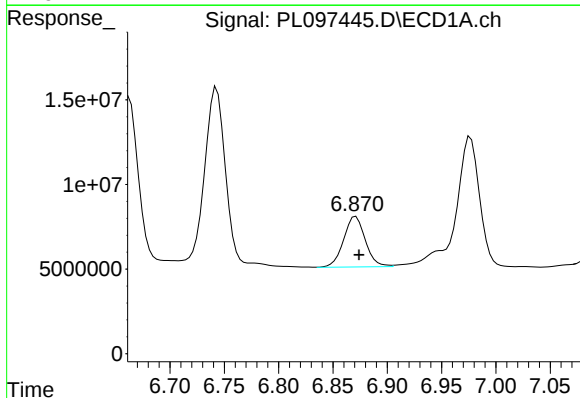
Manual Integrations
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Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



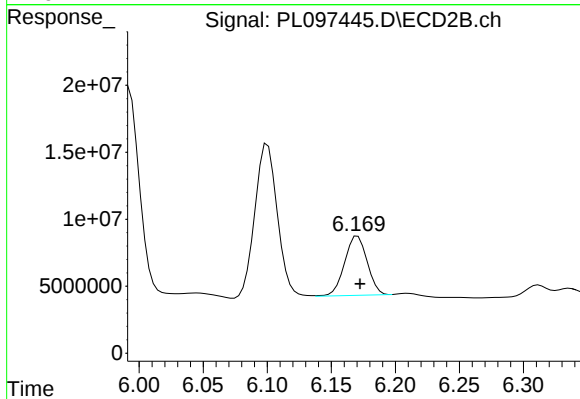
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 140223995
Conc: 20.26 ng/ml



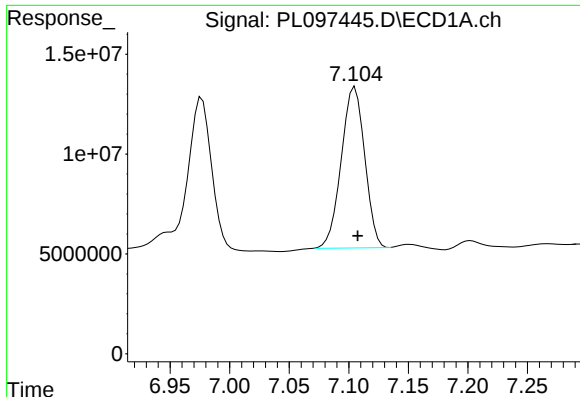
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: -0.004 min
Response: 41692420
Conc: 13.52 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.002 min
Response: 54187811
Conc: 10.15 ng/ml



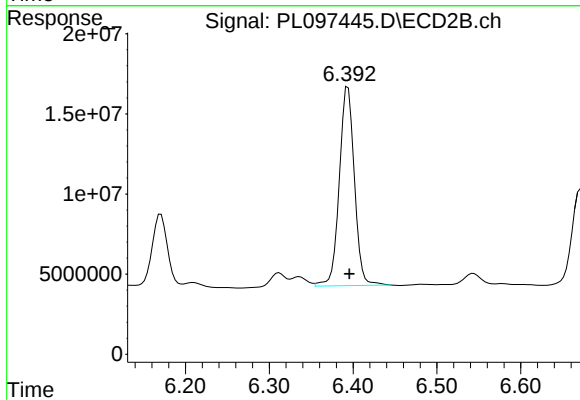
#19 Endosulfan Sulfate

R.T.: 7.105 min
Delta R.T.: -0.003 min
Response: 110412178
Conc: 27.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

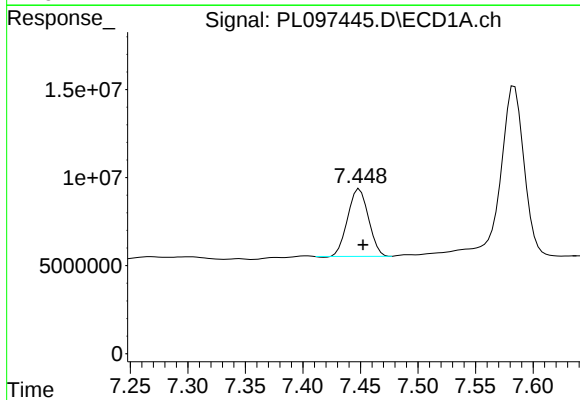
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



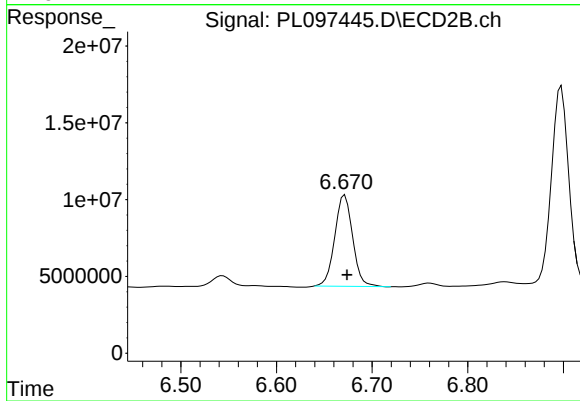
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 155758365
Conc: 22.74 ng/ml



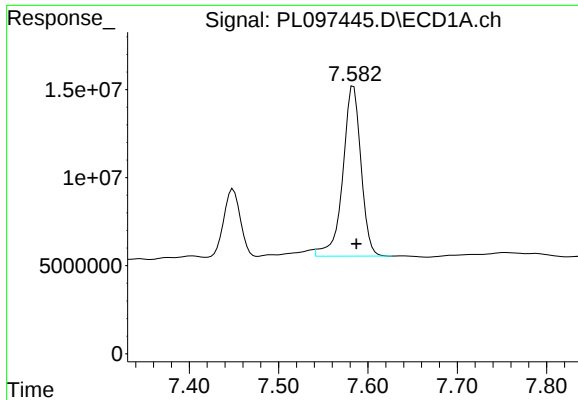
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.003 min
Response: 48410025
Conc: 23.21 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 77117673
Conc: 20.46 ng/ml



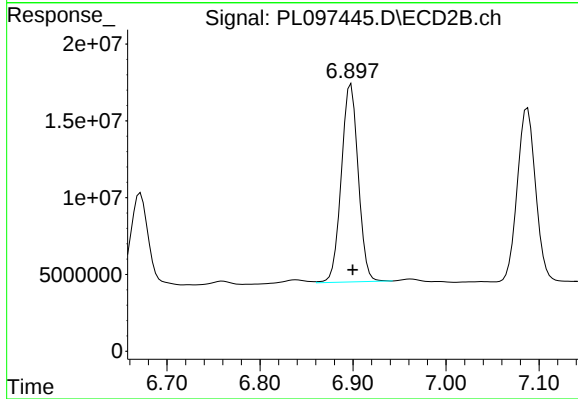
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: -0.004 min
Response: 136328184
Conc: 32.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

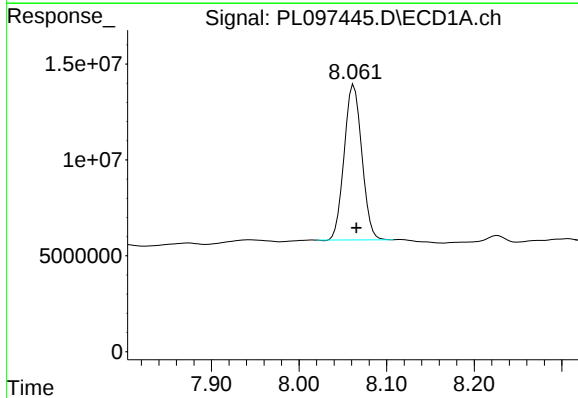
Manual Integrations
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Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



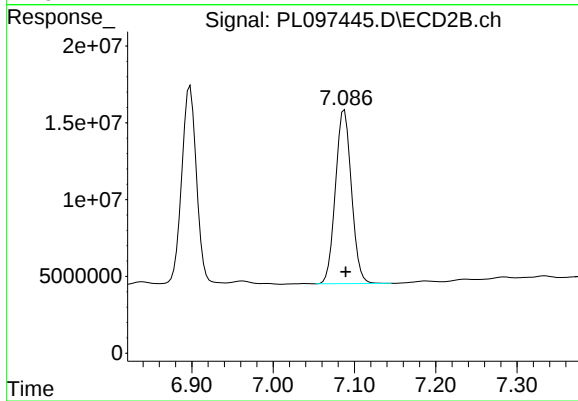
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.002 min
Response: 162414941
Conc: 21.57 ng/ml



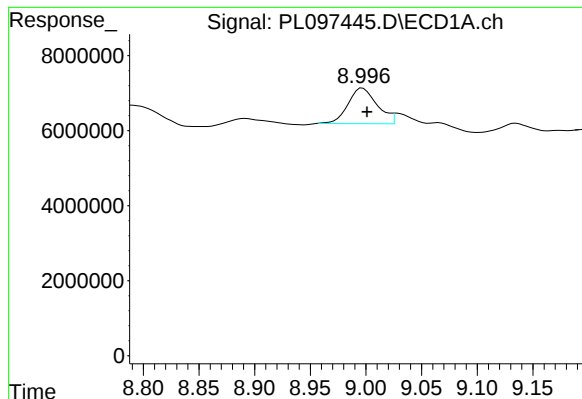
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 113413947
Conc: 31.94 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.002 min
Response: 154607425
Conc: 25.86 ng/ml



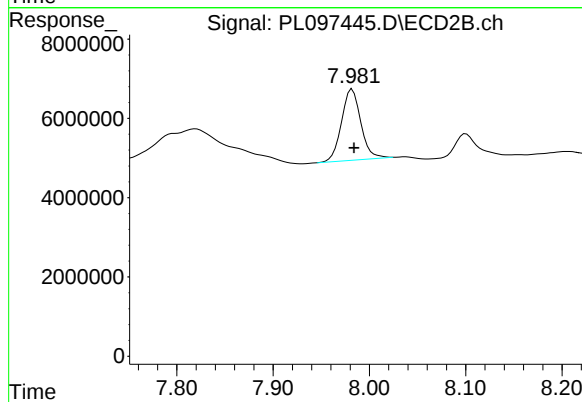
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: -0.005 min
Response: 17767854
Conc: 5.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :Sohil Jodhani 10/02/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 24895421
Conc: 4.37 ng/ml

Manual Integration Report

Sequence:	pd091825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090328.D	4,4"-DDD	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PEM	PD090328.D	Endrin aldehyde	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	4,4"-DDE #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	delta-BHC	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Endrin #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Heptachlor	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Tetrachloro-m-xylene	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICV050	PD090345.D	delta-BHC	Abdul	9/19/2025 9:00:34 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PTOXICV500	PD090347.D	Toxaphene-5	Abdul	9/19/2025 9:00:37 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software

Manual Integration Report

Sequence:	pd092525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090386.D	4,4"-DDD	Abdul	9/26/2025 10:31:35 AM	Sohil	9/26/2025 3:59:37	Peak Integrated by Software
PEM	PD090386.D	beta-BHC #2	Abdul	9/26/2025 10:31:35 AM	Sohil	9/26/2025 3:59:37	Peak Integrated by Software
PEM	PD090386.D	Endrin aldehyde	Abdul	9/26/2025 10:31:35 AM	Sohil	9/26/2025 3:59:37	Peak Integrated by Software
PSTDCCC050	PD090387.D	beta-BHC #2	Abdul	9/26/2025 10:31:30 AM	Sohil	9/26/2025 3:59:40	Peak Integrated by Software
PSTDCCC050	PD090387.D	delta-BHC	Abdul	9/26/2025 10:31:30 AM	Sohil	9/26/2025 3:59:40	Peak Integrated by Software
PSTDCCC050	PD090387.D	Mirex	Abdul	9/26/2025 10:31:30 AM	Sohil	9/26/2025 3:59:40	Peak Integrated by Software
PSTDCCC050	PD090387.D	Tetrachloro-m-xylene	Abdul	9/26/2025 10:31:30 AM	Sohil	9/26/2025 3:59:40	Peak Integrated by Software
PB169826BS	PD090394.D	delta-BHC	Abdul	9/26/2025 10:31:54 AM	Sohil	9/26/2025 3:59:50	Peak Integrated by Software
PSTDCCC050	PD090396.D	delta-BHC	Abdul	9/26/2025 10:31:58 AM	Sohil	9/26/2025 3:59:53	Peak Integrated by Software
I.BLK	PD090402.D	Decachlorobiphenyl	Abdul	9/26/2025 10:32:23 AM	Sohil	9/26/2025 4:00:08	Peak Integrated by Software
I.BLK	PD090402.D	Tetrachloro-m-xylene	Abdul	9/26/2025 10:32:23 AM	Sohil	9/26/2025 4:00:08	Peak Integrated by Software
PSTDCCC050	PD090403.D	delta-BHC	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software
PSTDCCC050	PD090403.D	Endrin #2	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software

Manual Integration Report

Sequence:

pd092525

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD090403.D	Endrin ketone	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software
PSTDCCC050	PD090403.D	Heptachlor	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software
PSTDCCC050	PD090403.D	Methoxychlor	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software
PSTDCCC050	PD090403.D	Mirex	Abdul	9/26/2025 10:32:27 AM	Sohil	9/26/2025 4:00:11	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097269.D	4,4"-DDD	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	4,4"-DDD #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin aldehyde	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin aldehyde #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin ketone	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin ketone #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	alpha-Chlordane #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	delta-BHC	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endosulfan II	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endrin aldehyde #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endrin ketone #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	gamma-Chlordane #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Heptachlor epoxide	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL097286.D	4,4"-DDD	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	4,4"-DDE	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	4,4"-DDE #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	alpha-Chlordane	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	delta-BHC	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Dieldrin #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endosulfan I	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endosulfan II	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endrin	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endrin ketone #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	gamma-Chlordane	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Heptachlor epoxide	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Heptachlor epoxide #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORICV500	PL097287.D	Chlordane-2	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-3	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-4	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-4 #2	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-5	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PTOXICV500	PL097288.D	Toxaphene-1 #2	Abdul	9/22/2025 9:04:35 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097435.D	4,4"-DDE	Abdul	10/1/2025 9:35:15 AM	Sohil	10/2/2025 9:50:48	Peak Integrated by Software
PEM	PL097435.D	4,4"-DDE #2	Abdul	10/1/2025 9:35:15 AM	Sohil	10/2/2025 9:50:48	Peak Integrated by Software
PEM	PL097435.D	Endrin aldehyde	Abdul	10/1/2025 9:35:15 AM	Sohil	10/2/2025 9:50:48	Peak Integrated by Software
PEM	PL097435.D	Endrin aldehyde #2	Abdul	10/1/2025 9:35:15 AM	Sohil	10/2/2025 9:50:48	Peak Integrated by Software
PEM	PL097435.D	Endrin ketone #2	Abdul	10/1/2025 9:35:15 AM	Sohil	10/2/2025 9:50:48	Peak Integrated by Software
PSTDCCC050	PL097436.D	4,4"-DDD	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	4,4"-DDT	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	alpha-Chlordane	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	delta-BHC	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	Dieldrin #2	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	Endosulfan I	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	Endosulfan II	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	Endrin	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL097436.D	Endrin aldehyde	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	gamma-Chlordane	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
PSTDCCC050	PL097436.D	Heptachlor epoxide	Abdul	10/1/2025 9:35:11 AM	Sohil	10/2/2025 9:50:50	Peak Integrated by Software
Q3176-01	PL097438.D	4,4"-DDD	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	4,4"-DDE	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	4,4"-DDE #2	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	4,4"-DDT	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	4,4"-DDT #2	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	alpha-Chlordane	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	alpha-Chlordane #2	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	Decachlorobiphenyl	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	gamma-Chlordane	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-01	PL097438.D	gamma-Chlordane #2	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3176-01	PL097438.D	Tetrachloro-m-xylene	Abdul	10/1/2025 9:35:03 AM	Sohil	10/2/2025 9:50:55	Peak Integrated by Software
Q3176-02	PL097439.D	4,4"-DDD	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	4,4"-DDE	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	4,4"-DDE #2	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	4,4"-DDT	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	4,4"-DDT #2	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	alpha-Chlordane	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	alpha-Chlordane #2	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	Decachlorobiphenyl	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	gamma-Chlordane	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-02	PL097439.D	Tetrachloro-m-xylene	Abdul	10/1/2025 9:34:58 AM	Sohil	10/2/2025 9:50:57	Peak Integrated by Software
Q3176-03	PL097440.D	4,4"-DDE	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	4,4"-DDE #2	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3176-03	PL097440.D	alpha-Chlordane	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	alpha-Chlordane #2	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	Decachlorobiphenyl	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	gamma-Chlordane	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	gamma-Chlordane #2	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3176-03	PL097440.D	Tetrachloro-m-xylene	Abdul	10/1/2025 9:34:54 AM	Sohil	10/2/2025 9:51:00	Peak Integrated by Software
Q3178-02MS	PL097444.D	4,4"-DDT	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	Decachlorobiphenyl	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	delta-BHC	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	Endrin ketone	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	Endrin ketone #2	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	Heptachlor epoxide	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software
Q3178-02MS	PL097444.D	Tetrachloro-m-xylene	Abdul	10/1/2025 9:34:34 AM	Sohil	10/2/2025 9:51:11	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3178-03MSD	PL097445.D	4,4"-DDD	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	4,4"-DDE	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	4,4"-DDT	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	alpha-Chlordane	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Decachlorobiphenyl	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	delta-BHC	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Endosulfan I	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Endosulfan II	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Endrin aldehyde	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Endrin ketone	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	gamma-Chlordane	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Heptachlor epoxide	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software
Q3178-03MSD	PL097445.D	Tetrachloro-m-xylene	Abdul	10/1/2025 9:34:30 AM	Sohil	10/2/2025 9:51:13	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL097449.D	4,4"-DDD	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	4,4"-DDT	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	delta-BHC	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	Endosulfan II	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	Endrin #2	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	Endrin aldehyde	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	gamma-Chlordane	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PSTDCCC050	PL097449.D	Heptachlor epoxide	Abdul	10/1/2025 9:36:09 AM	Sohil	10/2/2025 9:51:17	Peak Integrated by Software
PEM	PL097460.D	4,4"-DDE	Abdul	10/1/2025 9:33:48 AM	Sohil	10/2/2025 9:51:35	Peak Integrated by Software
PEM	PL097460.D	4,4"-DDE #2	Abdul	10/1/2025 9:33:48 AM	Sohil	10/2/2025 9:51:35	Peak Integrated by Software
PEM	PL097460.D	Endrin aldehyde	Abdul	10/1/2025 9:33:48 AM	Sohil	10/2/2025 9:51:35	Peak Integrated by Software
PEM	PL097460.D	Endrin aldehyde #2	Abdul	10/1/2025 9:33:48 AM	Sohil	10/2/2025 9:51:35	Peak Integrated by Software
PSTDCCC050	PL097461.D	4,4"-DDD	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software

Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL097461.D	delta-BHC	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097461.D	Endosulfan II	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097461.D	Endrin aldehyde	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097461.D	gamma-BHC (Lindane)	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097461.D	gamma-Chlordane	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097461.D	Heptachlor epoxide	Abdul	10/1/2025 9:33:43 AM	Sohil	10/2/2025 9:51:37	Peak Integrated by Software
PSTDCCC050	PL097465.D	4,4"-DDD	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software
PSTDCCC050	PL097465.D	delta-BHC	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software
PSTDCCC050	PL097465.D	Endosulfan II	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software
PSTDCCC050	PL097465.D	Endrin aldehyde	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software
PSTDCCC050	PL097465.D	gamma-Chlordane	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software
PSTDCCC050	PL097465.D	Heptachlor epoxide	Abdul	10/1/2025 9:33:34 AM	Sohil	10/2/2025 9:51:41	Peak Integrated by Software



Manual Integration Report

Sequence:	PI093025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090326.D	18 Sep 2025 09:36	AR\AJ	Ok
2	I.BLK	PD090327.D	18 Sep 2025 09:49	AR\AJ	Ok
3	PEM	PD090328.D	18 Sep 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD090329.D	18 Sep 2025 10:16	AR\AJ	Ok
5	PSTDICC100	PD090330.D	18 Sep 2025 10:30	AR\AJ	Ok
6	PSTDICC075	PD090331.D	18 Sep 2025 10:43	AR\AJ	Ok
7	PSTDICC050	PD090332.D	18 Sep 2025 10:57	AR\AJ	Ok
8	PSTDICC025	PD090333.D	18 Sep 2025 11:11	AR\AJ	Ok
9	PSTDICC005	PD090334.D	18 Sep 2025 11:24	AR\AJ	Ok,M
10	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38	AR\AJ	Ok
11	PCHLORICC750	PD090336.D	18 Sep 2025 11:51	AR\AJ	Ok
12	PCHLORICC500	PD090337.D	18 Sep 2025 12:05	AR\AJ	Ok
13	PCHLORICC250	PD090338.D	18 Sep 2025 12:18	AR\AJ	Ok
14	PCHLORICC050	PD090339.D	18 Sep 2025 12:32	AR\AJ	Ok,M
15	PTOXICC1000	PD090340.D	18 Sep 2025 12:45	AR\AJ	Ok
16	PTOXICC750	PD090341.D	18 Sep 2025 12:59	AR\AJ	Ok
17	PTOXICC500	PD090342.D	18 Sep 2025 13:12	AR\AJ	Ok
18	PTOXICC250	PD090343.D	18 Sep 2025 13:26	AR\AJ	Ok
19	PTOXICC100	PD090344.D	18 Sep 2025 13:40	AR\AJ	Ok
20	PSTDICV050	PD090345.D	18 Sep 2025 13:53	AR\AJ	Ok,M
21	PCHLORICV500	PD090346.D	18 Sep 2025 14:07	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090347.D	18 Sep 2025 15:21	AR\AJ	Ok,M
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M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092525

Review By	Abdul	Review On	9/26/2025 10:33:01 AM
Supervise By	Sohil	Supervise On	9/26/2025 4:00:20 PM
SubDirectory	PD092525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090384.D	25 Sep 2025 09:58	AR\AJ	Ok
2	I.BLK	PD090385.D	25 Sep 2025 10:12	AR\AJ	Ok
3	PEM	PD090386.D	25 Sep 2025 10:54	AR\AJ	Ok,M
4	PSTDCCC050	PD090387.D	25 Sep 2025 11:17	AR\AJ	Ok,M
5	PB169826BL	PD090388.D	25 Sep 2025 13:31	AR\AJ	Ok
6	Q3187-01	PD090389.D	25 Sep 2025 13:44	AR\AJ	Dilution
7	Q3188-01	PD090390.D	25 Sep 2025 13:58	AR\AJ	Ok
8	Q3188-02	PD090391.D	25 Sep 2025 14:11	AR\AJ	Ok,M
9	Q3189-01	PD090392.D	25 Sep 2025 14:25	AR\AJ	Ok,M
10	Q3187-01DL	PD090393.D	25 Sep 2025 15:21	AR\AJ	Ok,M
11	PB169826BS	PD090394.D	25 Sep 2025 16:12	AR\AJ	Ok,M
12	I.BLK	PD090395.D	25 Sep 2025 16:27	AR\AJ	Ok
13	PSTDCCC050	PD090396.D	25 Sep 2025 16:59	AR\AJ	Ok,M
14	Q3168-05	PD090397.D	25 Sep 2025 17:13	AR\AJ	Not Ok
15	Q3168-06	PD090398.D	25 Sep 2025 17:26	AR\AJ	Dilution
16	PB169830BL	PD090399.D	25 Sep 2025 17:40	AR\AJ	Not Ok
17	PB169830BS	PD090400.D	25 Sep 2025 17:54	AR\AJ	Not Ok
18	PB169830BSD	PD090401.D	25 Sep 2025 18:07	AR\AJ	Not Ok
19	I.BLK	PD090402.D	25 Sep 2025 18:21	AR\AJ	Ok,M
20	PSTDCCC050	PD090403.D	25 Sep 2025 19:02	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL097267.D	18 Sep 2025 16:11	AR\AJ	Ok
2	I.BLK	PL097268.D	18 Sep 2025 16:25	AR\AJ	Ok
3	PEM	PL097269.D	18 Sep 2025 16:39	AR\AJ	Ok,M
4	RESCHK	PL097270.D	18 Sep 2025 16:52	AR\AJ	Ok
5	PSTDICC100	PL097271.D	18 Sep 2025 17:06	AR\AJ	Ok
6	PSTDICC075	PL097272.D	18 Sep 2025 17:19	AR\AJ	Ok
7	PSTDICC050	PL097273.D	18 Sep 2025 17:33	AR\AJ	Ok
8	PSTDICC025	PL097274.D	18 Sep 2025 17:47	AR\AJ	Ok
9	PSTDICC005	PL097275.D	18 Sep 2025 18:00	AR\AJ	Ok,M
10	PCHLORICC1000	PL097276.D	18 Sep 2025 18:14	AR\AJ	Ok
11	PCHLORICC750	PL097277.D	18 Sep 2025 18:28	AR\AJ	Ok
12	PCHLORICC500	PL097278.D	18 Sep 2025 18:41	AR\AJ	Ok
13	PCHLORICC250	PL097279.D	18 Sep 2025 18:55	AR\AJ	Ok
14	PCHLORICC050	PL097280.D	18 Sep 2025 19:08	AR\AJ	Ok
15	PTOXICC1000	PL097281.D	18 Sep 2025 19:22	AR\AJ	Ok
16	PTOXICC750	PL097282.D	18 Sep 2025 19:35	AR\AJ	Ok,M
17	PTOXICC500	PL097283.D	18 Sep 2025 19:49	AR\AJ	Ok
18	PTOXICC250	PL097284.D	18 Sep 2025 20:03	AR\AJ	Ok
19	PTOXICC100	PL097285.D	18 Sep 2025 20:16	AR\AJ	Ok,M
20	PSTDICV050	PL097286.D	19 Sep 2025 08:39	AR\AJ	Ok,M
21	PCHLORICV500	PL097287.D	19 Sep 2025 08:52	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL097288.D	19 Sep 2025 09:25	AR\AJ	Ok,M
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M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL093025

Review By	Abdul	Review On	10/1/2025 9:36:27 AM
Supervise By	Sohil	Supervise On	10/2/2025 9:52:10 AM
SubDirectory	PL093025	HP Acquire Method	HP Processing Method pl02025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL097433.D	30 Sep 2025 09:16	AR\AJ	Ok
2	I.BLK	PL097434.D	30 Sep 2025 09:29	AR\AJ	Ok
3	PEM	PL097435.D	30 Sep 2025 09:43	AR\AJ	Ok,M
4	PSTDCCC050	PL097436.D	30 Sep 2025 12:10	AR\AJ	Ok,M
5	Q3170-01	PL097437.D	30 Sep 2025 12:28	AR\AJ	Ok,M
6	Q3176-01	PL097438.D	30 Sep 2025 12:41	AR\AJ	Ok,M
7	Q3176-02	PL097439.D	30 Sep 2025 12:55	AR\AJ	Ok,M
8	Q3176-03	PL097440.D	30 Sep 2025 13:08	AR\AJ	Ok,M
9	Q3176-02RE	PL097441.D	30 Sep 2025 13:22	AR\AJ	Not Ok
10	Q3178-01	PL097442.D	30 Sep 2025 13:35	AR\AJ	Ok,M
11	Q3191-01	PL097443.D	30 Sep 2025 13:49	AR\AJ	Ok,M
12	Q3178-02MS	PL097444.D	30 Sep 2025 14:03	AR\AJ	Ok,M
13	Q3178-03MSD	PL097445.D	30 Sep 2025 14:16	AR\AJ	Ok,M
14	PB169857BL	PL097446.D	30 Sep 2025 14:30	AR\AJ	Ok
15	PB169857BS	PL097447.D	30 Sep 2025 15:49	AR\AJ	Ok,M
16	I.BLK	PL097448.D	30 Sep 2025 16:03	AR\AJ	Ok
17	PSTDCCC050	PL097449.D	30 Sep 2025 16:32	AR\AJ	Ok,M
18	PB169889BL	PL097450.D	30 Sep 2025 17:05	AR\AJ	Ok,M
19	PB169889BS	PL097451.D	30 Sep 2025 17:19	AR\AJ	Ok,M
20	Q3220-01	PL097452.D	30 Sep 2025 17:32	AR\AJ	Ok,M
21	Q3221-01	PL097453.D	30 Sep 2025 17:46	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL093025

Review By	Abdul	Review On	10/1/2025 9:36:27 AM
Supervise By	Sohil	Supervise On	10/2/2025 9:52:10 AM
SubDirectory	PL093025	HP Acquire Method	HP Processing Method pl02025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3222-01	PL097454.D	30 Sep 2025 18:05	AR\AJ	Ok,M
23	Q3231-01	PL097455.D	30 Sep 2025 18:19	AR\AJ	Ok
24	Q3231-05	PL097456.D	30 Sep 2025 18:32	AR\AJ	Ok,M
25	Q3231-05MS	PL097457.D	30 Sep 2025 18:46	AR\AJ	Ok,M
26	Q3231-05MSD	PL097458.D	30 Sep 2025 18:59	AR\AJ	Ok,M
27	I.BLK	PL097459.D	30 Sep 2025 19:13	AR\AJ	Ok
28	PEM	PL097460.D	30 Sep 2025 19:27	AR\AJ	Ok,M
29	PSTDCCC050	PL097461.D	30 Sep 2025 20:21	AR\AJ	Ok,M
30	Q3231-09	PL097462.D	30 Sep 2025 20:35	AR\AJ	Ok
31	Q3231-13	PL097463.D	30 Sep 2025 20:48	AR\AJ	Ok,M
32	I.BLK	PL097464.D	30 Sep 2025 21:02	AR\AJ	Ok
33	PSTDCCC050	PL097465.D	30 Sep 2025 22:37	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090326.D	18 Sep 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD090327.D	18 Sep 2025 09:49		AR\AJ	Ok
3	PEM	PEM	PD090328.D	18 Sep 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090329.D	18 Sep 2025 10:16		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD090330.D	18 Sep 2025 10:30		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090331.D	18 Sep 2025 10:43		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090332.D	18 Sep 2025 10:57		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090333.D	18 Sep 2025 11:11		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090334.D	18 Sep 2025 11:24		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090336.D	18 Sep 2025 11:51		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090337.D	18 Sep 2025 12:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090338.D	18 Sep 2025 12:18		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090339.D	18 Sep 2025 12:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090340.D	18 Sep 2025 12:45		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090341.D	18 Sep 2025 12:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090342.D	18 Sep 2025 13:12		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090343.D	18 Sep 2025 13:26		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090344.D	18 Sep 2025 13:40		AR\AJ	Ok
20	PSTDICV050	ICVPD091825	PD090345.D	18 Sep 2025 13:53		AR\AJ	Ok,M
21	PCHLORICV500	ICVPD091825CHLOR	PD090346.D	18 Sep 2025 14:07		AR\AJ	Ok
22	PTOXICV500	ICVPD091825TOX	PD090347.D	18 Sep 2025 15:21		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092525

Review By	Abdul	Review On	9/26/2025 10:33:01 AM
Supervise By	Sohil	Supervise On	9/26/2025 4:00:20 PM
SubDirectory	PD092525	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090384.D	25 Sep 2025 09:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD090385.D	25 Sep 2025 10:12		AR\AJ	Ok
3	PEM	PEM	PD090386.D	25 Sep 2025 10:54		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090387.D	25 Sep 2025 11:17		AR\AJ	Ok,M
5	PB169826BL	PB169826BL	PD090388.D	25 Sep 2025 13:31		AR\AJ	Ok
6	Q3187-01	228	PD090389.D	25 Sep 2025 13:44	Need 5X	AR\AJ	Dilution
7	Q3188-01	4135	PD090390.D	25 Sep 2025 13:58	DCB Low in 2nd column	AR\AJ	Ok
8	Q3188-02	RB22120	PD090391.D	25 Sep 2025 14:11	DCB high 1st column	AR\AJ	Ok,M
9	Q3189-01	72-11989	PD090392.D	25 Sep 2025 14:25		AR\AJ	Ok,M
10	Q3187-01DL	228DL	PD090393.D	25 Sep 2025 15:21		AR\AJ	Ok,M
11	PB169826BS	PB169826BS	PD090394.D	25 Sep 2025 16:12		AR\AJ	Ok,M
12	I.BLK	I.BLK	PD090395.D	25 Sep 2025 16:27		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PD090396.D	25 Sep 2025 16:59		AR\AJ	Ok,M
14	Q3168-05	TOTES COMP#1	PD090397.D	25 Sep 2025 17:13	TCMX high in 1st column , DCB low in both column , need cleanup	AR\AJ	Not Ok
15	Q3168-06	TOTES COMP#2	PD090398.D	25 Sep 2025 17:26	DCB low in 2nd column , TCMX high in 1st column , need dilution	AR\AJ	Dilution
16	PB169830BL	PB169830BL	PD090399.D	25 Sep 2025 17:40	DCB Low in 2nd column	AR\AJ	Not Ok
17	PB169830BS	PB169830BS	PD090400.D	25 Sep 2025 17:54	Almost all compound recovery fail	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD092525

Review By	Abdul	Review On	9/26/2025 10:33:01 AM
Supervise By	Sohil	Supervise On	9/26/2025 4:00:20 PM
SubDirectory	PD092525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB169830BSD	PB169830BSD	PD090401.D	25 Sep 2025 18:07	Almost all compound recovery fail	AR\AJ	Not Ok
19	I.BLK	I.BLK	PD090402.D	25 Sep 2025 18:21		AR\AJ	Ok,M
20	PSTDCCC050	PSTDCCC050	PD090403.D	25 Sep 2025 19:02	Comp#20 low in 2nd column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method p092025 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL097267.D	18 Sep 2025 16:11		AR\AJ	Ok
2	I.BLK	I.BLK	PL097268.D	18 Sep 2025 16:25		AR\AJ	Ok
3	PEM	PEM	PL097269.D	18 Sep 2025 16:39		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL097270.D	18 Sep 2025 16:52		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL097271.D	18 Sep 2025 17:06		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL097272.D	18 Sep 2025 17:19		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL097273.D	18 Sep 2025 17:33		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL097274.D	18 Sep 2025 17:47		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL097275.D	18 Sep 2025 18:00		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL097276.D	18 Sep 2025 18:14		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL097277.D	18 Sep 2025 18:28		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL097278.D	18 Sep 2025 18:41		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL097279.D	18 Sep 2025 18:55		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL097280.D	18 Sep 2025 19:08		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL097281.D	18 Sep 2025 19:22		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL097282.D	18 Sep 2025 19:35		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL097283.D	18 Sep 2025 19:49		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL097284.D	18 Sep 2025 20:03		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL097285.D	18 Sep 2025 20:16		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092025	PL097286.D	19 Sep 2025 08:39		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL092025	PL097287.D	19 Sep 2025 08:52		AR\AJ	Ok,M
22	PTOXICV500	ICVPL092025	PL097288.D	19 Sep 2025 09:25		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL093025

Review By	Abdul	Review On	10/1/2025 9:36:27 AM
Supervise By	Sohil	Supervise On	10/2/2025 9:52:10 AM
SubDirectory	PL093025	HP Acquire Method	HP Processing Method p102025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL097433.D	30 Sep 2025 09:16		AR\AJ	Ok
2	I.BLK	I.BLK	PL097434.D	30 Sep 2025 09:29		AR\AJ	Ok
3	PEM	PEM	PL097435.D	30 Sep 2025 09:43		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL097436.D	30 Sep 2025 12:10		AR\AJ	Ok,M
5	Q3170-01	MOD-25-0271	PL097437.D	30 Sep 2025 12:28		AR\AJ	Ok,M
6	Q3176-01	EME-TS12-01	PL097438.D	30 Sep 2025 12:41		AR\AJ	Ok,M
7	Q3176-02	EME-TS13-01	PL097439.D	30 Sep 2025 12:55		AR\AJ	Ok,M
8	Q3176-03	EME-TS14-02	PL097440.D	30 Sep 2025 13:08		AR\AJ	Ok,M
9	Q3176-02RE	EME-TS13-01RE	PL097441.D	30 Sep 2025 13:22	not required	AR\AJ	Not Ok
10	Q3178-01	EME-TS14-01	PL097442.D	30 Sep 2025 13:35		AR\AJ	Ok,M
11	Q3191-01	459	PL097443.D	30 Sep 2025 13:49		AR\AJ	Ok,M
12	Q3178-02MS	EME-TS14-01MS	PL097444.D	30 Sep 2025 14:03	surrogate fail , all most comp recovery fail	AR\AJ	Ok,M
13	Q3178-03MSD	EME-TS14-01MSD	PL097445.D	30 Sep 2025 14:16	some comp recovery fail, rpd fail	AR\AJ	Ok,M
14	PB169857BL	PB169857BL	PL097446.D	30 Sep 2025 14:30		AR\AJ	Ok
15	PB169857BS	PB169857BS	PL097447.D	30 Sep 2025 15:49		AR\AJ	Ok,M
16	I.BLK	I.BLK	PL097448.D	30 Sep 2025 16:03		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PL097449.D	30 Sep 2025 16:32	Comp#14 high in 2nd column	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL093025

Review By	Abdul	Review On	10/1/2025 9:36:27 AM
Supervise By	Sohil	Supervise On	10/2/2025 9:52:10 AM
SubDirectory	PL093025	HP Acquire Method	HP Processing Method pl02025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB169889BL	PB169889BL	PL097450.D	30 Sep 2025 17:05		AR\AJ	Ok,M
19	PB169889BS	PB169889BS	PL097451.D	30 Sep 2025 17:19		AR\AJ	Ok,M
20	Q3220-01	OR-03-092625	PL097452.D	30 Sep 2025 17:32		AR\AJ	Ok,M
21	Q3221-01	HD-01-092625	PL097453.D	30 Sep 2025 17:46		AR\AJ	Ok,M
22	Q3222-01	SU-03-092625	PL097454.D	30 Sep 2025 18:05		AR\AJ	Ok,M
23	Q3231-01	WC-1	PL097455.D	30 Sep 2025 18:19		AR\AJ	Ok
24	Q3231-05	WC-2	PL097456.D	30 Sep 2025 18:32		AR\AJ	Ok,M
25	Q3231-05MS	WC-2MS	PL097457.D	30 Sep 2025 18:46		AR\AJ	Ok,M
26	Q3231-05MSD	WC-2MSD	PL097458.D	30 Sep 2025 18:59		AR\AJ	Ok,M
27	I.BLK	I.BLK	PL097459.D	30 Sep 2025 19:13		AR\AJ	Ok
28	PEM	PEM	PL097460.D	30 Sep 2025 19:27		AR\AJ	Ok,M
29	PSTDCCC050	PSTDCCC050	PL097461.D	30 Sep 2025 20:21	Comp#14 high in 2nd column	AR\AJ	Ok,M
30	Q3231-09	WC-3	PL097462.D	30 Sep 2025 20:35		AR\AJ	Ok
31	Q3231-13	WC-4	PL097463.D	30 Sep 2025 20:48		AR\AJ	Ok,M
32	I.BLK	I.BLK	PL097464.D	30 Sep 2025 21:02		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PL097465.D	30 Sep 2025 22:37		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3170-01	MOD-25-0271	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3170-02	MOD-25-0271	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3176-01	EME-TS12-01	3	1.15	10.61	11.76	8.16	66.1	
Q3176-02	EME-TS13-01	4	1.18	10.37	11.55	8.27	68.4	
Q3176-03	EME-TS14-02	5	1.13	10.35	11.48	8.37	70.0	
Q3178-01	EME-TS14-01	6	1.13	10.74	11.87	8.8	71.4	
Q3178-02	EME-TS14-01MS	7	1.13	10.74	11.87	8.8	71.4	
Q3178-03	EME-TS14-01MSD	8	1.13	10.74	11.87	8.8	71.4	
Q3183-01	WC-1	9	1.18	10.41	11.59	10.09	85.6	
Q3183-02	WC-1-EPH	10	1.19	10.43	11.62	10.19	86.3	
Q3183-03	WC-1-VOC	11	1.13	10.60	11.73	10.55	88.9	
Q3183-04	WC-4	12	1.19	10.56	11.75	10.6	89.1	
Q3183-05	WC-4-EPH	13	1.19	10.49	11.68	9.77	81.8	
Q3183-06	WC-4-VOC	14	1.18	10.63	11.81	10.42	86.9	
Q3183-07	WC-3	15	1.13	10.42	11.55	9.8	83.2	
Q3183-08	WC-3-EPH	16	1.13	10.49	11.62	9.79	82.6	
Q3183-09	WC-3-VOC	17	1.19	10.55	11.74	10.96	92.6	
Q3185-01	Y2404-0048-1-1	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-02	Y2404-0048-1-2	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-03	KMH392P-1-1	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-04	KMH392P-1-2	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-05	EFB430R-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-06	EFB430R-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-07	4125-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-08	4125-B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-09	4125-C	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-10	4125-D	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-11	4125-E	28	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3185-12	4126-A	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-13	4126-B	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-14	4126-C	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-15	4126-D	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-16	4126-E	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-01	Y2404-0043-1-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-02	Y2404-0043-1-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-03	KMA695Y-1-1	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-04	KMA695Y-1-2	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3187-01	228	38	1.19	10.67	11.86	10.96	91.6	
Q3187-02	228-E2	39	1.14	10.49	11.63	10.32	87.5	
Q3188-01	4135	40	1.00	1.00	2.00	2.00	100.0	debris
Q3188-02	RB22120	41	1.18	10.32	11.5	10.88	94.0	
Q3188-03	RB22120	42	1.16	10.60	11.76	10.92	92.1	
Q3189-01	72-11989	43	1.15	10.84	11.99	11.33	93.9	
Q3189-02	72-11989-E2	44	1.11	10.67	11.78	11.44	96.8	
Q3191-01	459	45	1.00	1.00	2.00	2.00	100.0	oil sample
Q3192-01	RB104	46	1.15	10.91	12.06	11.49	94.8	
Q3192-02	RB105	47	1.13	10.80	11.93	11.26	93.8	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

13296

WorkList Name : %1-092425

WorkList ID : 192050

Department : Wet-Chemistry

Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3170-01	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3170-02	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3176-01	EME-TS12-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-02	EME-TS13-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-03	EME-TS14-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3178-01	EME-TS14-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-02	EME-TS14-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-03	EME-TS14-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3183-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-05	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-06	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-07	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-08	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-09	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3185-01	Y2404-0048-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-02	Y2404-0048-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-03	KMH392P-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-04	KMH392P-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:25
 Raw Sample Received by: SP awg
 Raw Sample Relinquished by: ch

Date/Time 09/24/25

Raw Sample Received by: SP awg

Raw Sample Relinquished by: SP awg

WORKLIST(Hardcopy Internal Chain)

V313296

WorkList Name : %1-092425

WorkList ID : 192050

Department : Wet-Chemistry

Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3185-05	EFB430R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-06	EFB430R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-07	4125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-08	4125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-09	4125-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-10	4125-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-11	4125-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-12	4126-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-13	4126-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-14	4126-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-15	4126-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-16	4126-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3186-01	Y2404-0043-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-02	Y2404-0043-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-03	KMA695Y-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-04	KMA695Y-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3187-01	228	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3187-02	228-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3188-01	4135	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-02	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-03	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15125

Raw Sample Received by: SPWY

Raw Sample Relinquished by: CFS

Date/Time 09/24/25

Raw Sample Received by: CFS

Raw Sample Relinquished by: CFS

✓ 137296

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-092425 WorkList ID : 192050 Department : Wet-Chemistry Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3189-01	72-11989	Solid	Percent Solids	Cool 4 deg C	PSEG03		09/24/2025	Chemtech -SO
Q3189-02	72-11989-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I63	09/24/2025	Chemtech -SO
Q3191-01	459	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/25/2025	Chemtech -SO
Q3192-01	RB104	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO
Q3192-02	RB105	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO

Date/Time

09/24/25 15:23

Raw Sample Received by:

SB WVC

Raw Sample Relinquished by:

CD SN

Date/Time

09/24/25 17:35

Raw Sample Received by:

CD SN

Raw Sample Relinquished by:

SB WVC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 09/25/2025

Extraction Start Time : 08:51

Extraction End Date : 09/25/2025

Extraction End Time : 12:00

Concentration By: EH

Supervisor By : ritesh

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2639
Sand	N/A	E3951
Hexane	N/A	E3971
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2644
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.Q3170-01,3191-01,Q3188-01 used Limited volume as sample is Oil & Oily Debris.

KD Bath ID: N/A

Envap ID: NE VAP-02

KD Bath Temperature: N/A

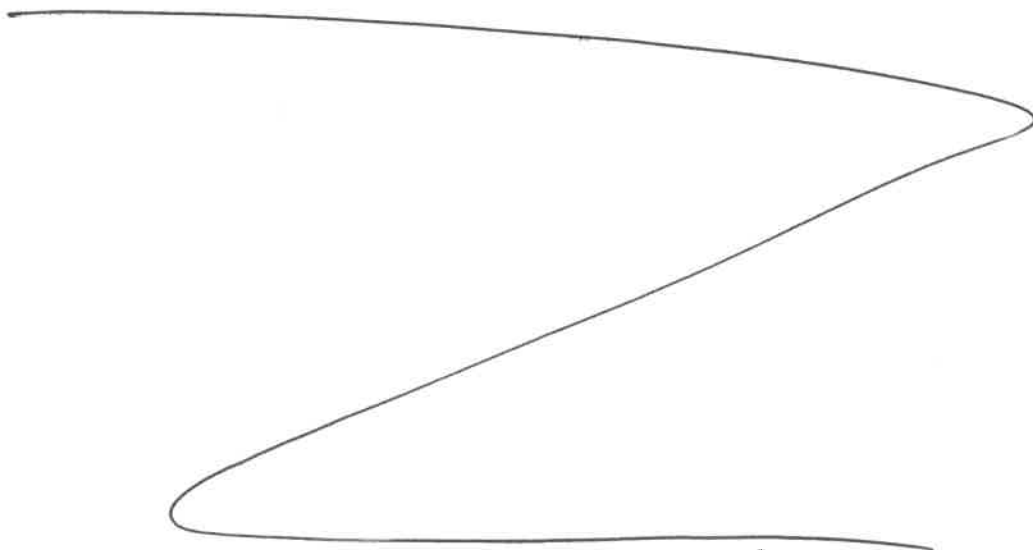
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/25/25	RJ (Eck - Iceb)	R. Pest/PeB Lab
12:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 09/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169826BL	PBLK826	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U3-1
PB169826BS	PLCS826	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q3170-01	MOD-25-0271	Pesticide-TCL	1.05	N/A	ritesh	Evelyn	10	B	Oil	
Q3176-01	EME-TS12-01	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	F		3
Q3176-02	EME-TS13-01	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	F		4
Q3176-03	EME-TS14-02	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	F		5
Q3178-01	EME-TS14-01	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	F		6
Q3178-02	EME-TS14-01MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	F		U4-1
Q3178-03	EME-TS14-01MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	F		2
Q3183-01	WC-1	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q3183-04	WC-4	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q3183-07	WC-3	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q3187-01	228	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E	Small Particles + Soil	6
Q3188-01	4135	Pesticide-TCL	5.02	N/A	ritesh	Evelyn	10	E	Oily Debris	U6-1
Q3188-02	RB22120	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2
Q3189-01	72-11989	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q3191-01	459	Pesticide-TCL	1.08	N/A	ritesh	Evelyn	10	B	Oil	



* Extracts relinquished on the same date as received.

RJ
9/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3183P WorkList ID : 192069 Department : Extraction Date : 09-25-2025 08:22:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3170-01	MOD-25-0271	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J11	09/23/2025	8081B
Q3176-01	EME-TS12-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J43	09/23/2025	8081B
Q3176-02	EME-TS13-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J43	09/23/2025	8081B
Q3176-03	EME-TS14-02	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J43	09/23/2025	8081B
Q3178-01	EME-TS14-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J33	09/23/2025	8081B
Q3178-02	EME-TS14-01MS	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J33	09/23/2025	8081B
Q3178-03	EME-TS14-01MSD	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	J33	09/23/2025	8081B
Q3183-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J32	09/24/2025	8081B
Q3183-04	WC-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J32	09/24/2025	8081B
Q3183-07	WC-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J32	09/24/2025	8081B
Q3187-01	228	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J11	09/24/2025	8081B
Q3188-01	4135	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J12	09/24/2025	8081B
Q3188-02	RB22120	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J12	09/24/2025	8081B
Q3189-01	72-11989	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03		09/24/2025	8081B
Q3191-01	459	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	J41	09/25/2025	8081B

Date/Time 9/25/25 8:45
Raw Sample Received by: RJ [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 9/25/25 9:05
Raw Sample Received by: AP [Signature]
Raw Sample Relinquished by: RJ [Signature]

Prep Standard - Chemical Standard Summary

Order ID : Q3176

Test : Pesticide-TCL

Prepbatch ID : PB169826,

Sequence ID/Qc Batch ID: pd092525,PI093025,

Standard ID :

EP2639,EP2643,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24805,PP24890,

Chemical ID :

E3875,E3927,E3941,E3944,E3951,E3955,E3956,E3962,E3971,E3972,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13786,P13788,P13789,P13862,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2639	09/12/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang 09/12/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of PP24749 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24890	08/20/2025	02/18/2026	Abdul Mirza	None	None	Yogesh Patel
FROM 99.90000ml of E3962 + 0.10000ml of PP24805 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**PRODUCTOS
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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

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Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



固相萃取产品



Made in China

Agela Technologies

E3927



Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Recd. by RI on 6/11/25

Harout Sahagian - Quality Control Manager - Fair Lawn

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
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 P13043
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 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

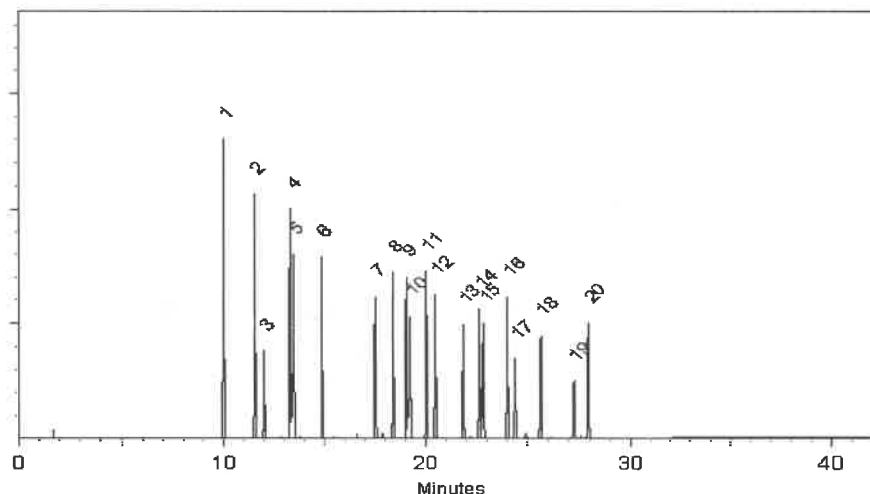
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

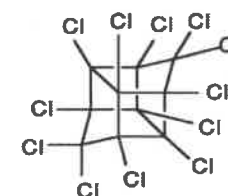
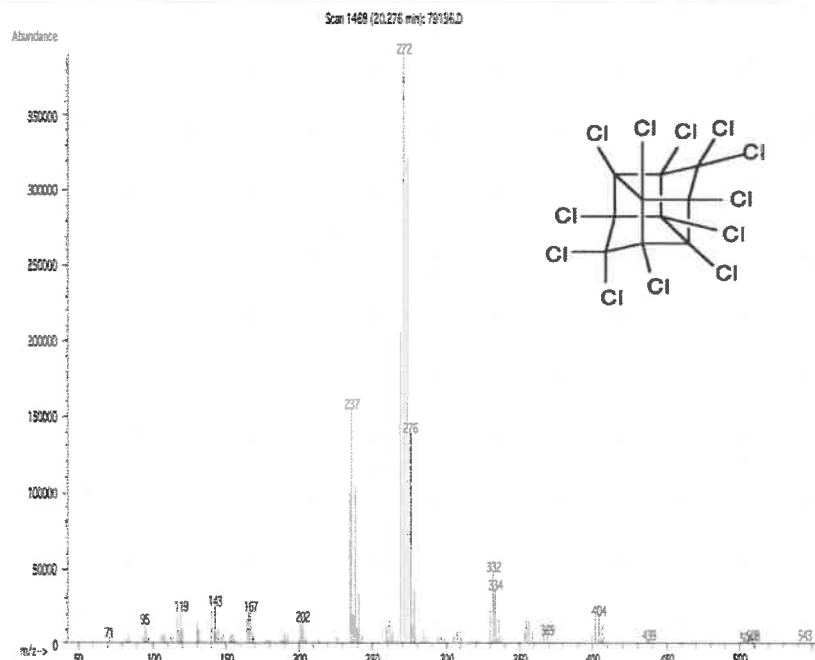
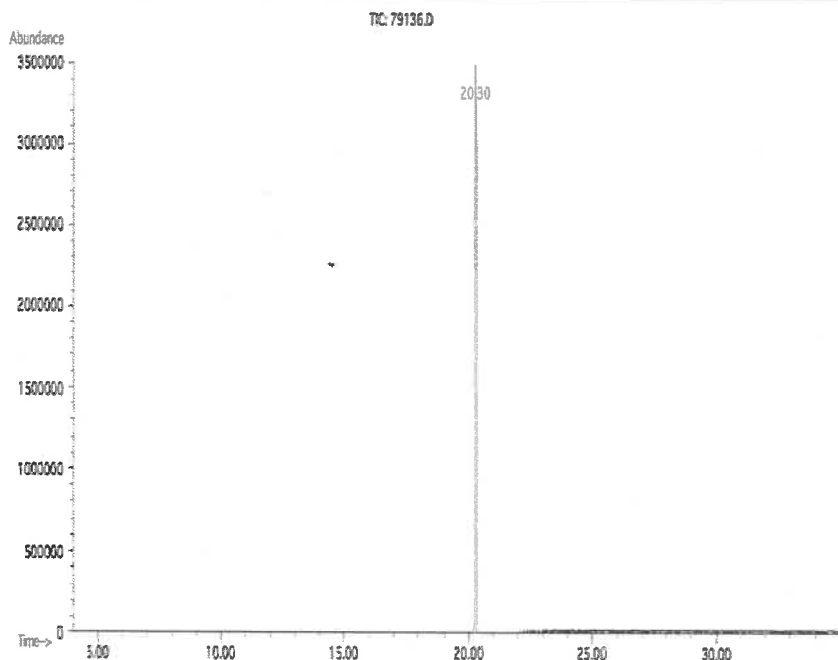
Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
HARRIS
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3/3/19
5/5/19
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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
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P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

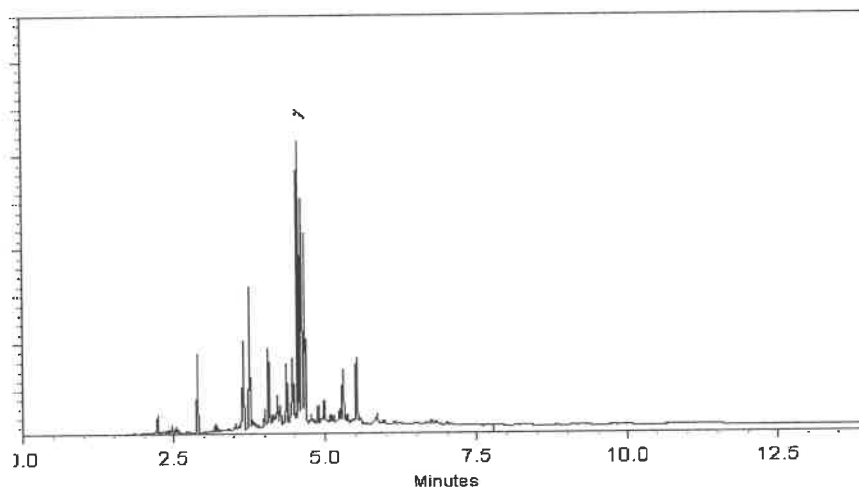
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

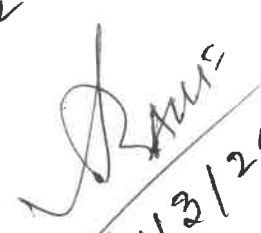
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32021 Lot No.: A0197993
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2029 Storage: 10°C or colder
Ship: Ambient

P 12606
P 12610
5 Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. { hold 10 min.}

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

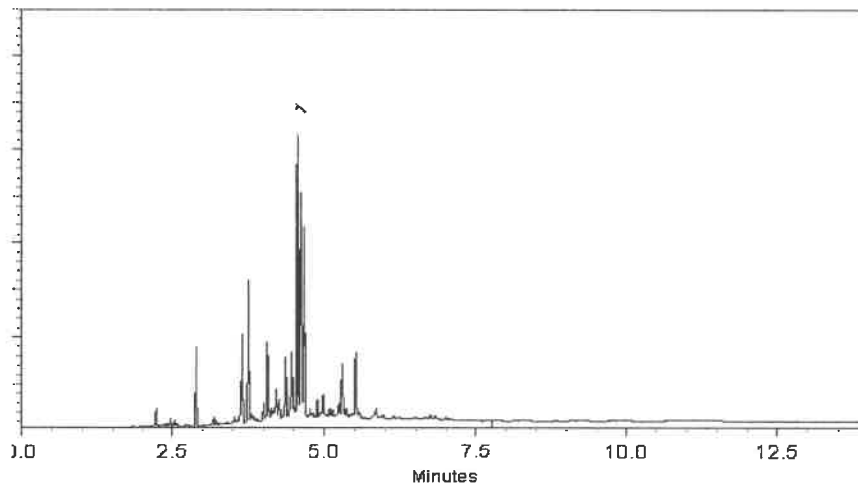
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

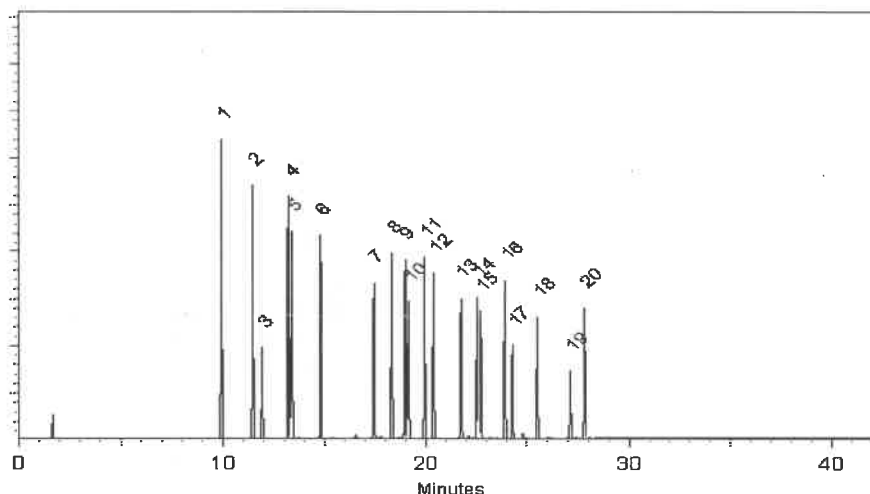
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
 ↓
 P13247 }
 ↓
 02/9/2024



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Belleville, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13773
↓
P13779
AI
11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

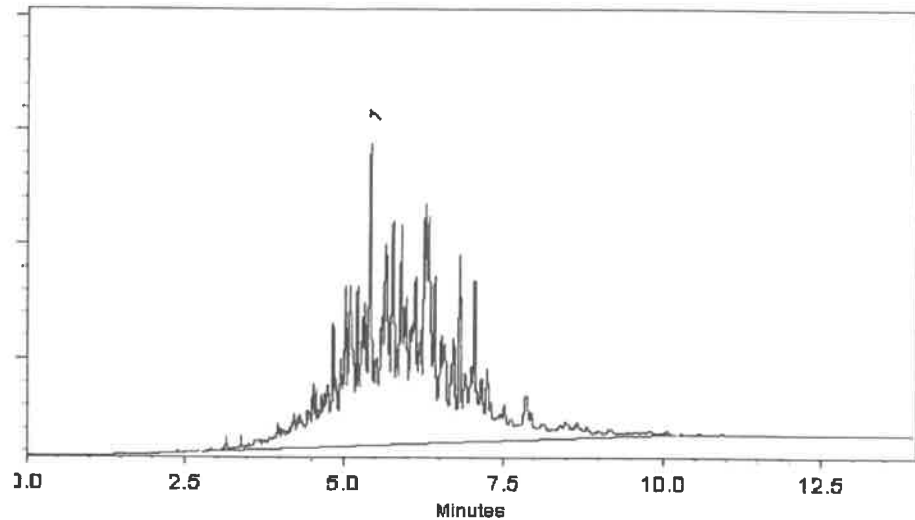
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

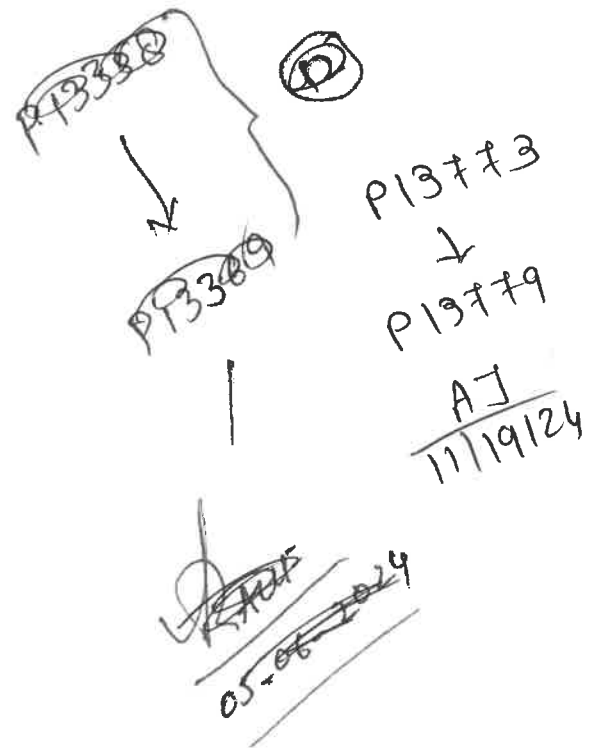
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397


Handwritten notes and signatures are present at the bottom right of the page. On the left, 'P13388' is written with a circled 'P' and an arrow pointing down to 'P13389'. To the right, 'P13773' is written with an arrow pointing down to 'P13779', which is then followed by 'AJ' and the date '11/19/24'. At the bottom, there is a signature and the date '05-06-2024'.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

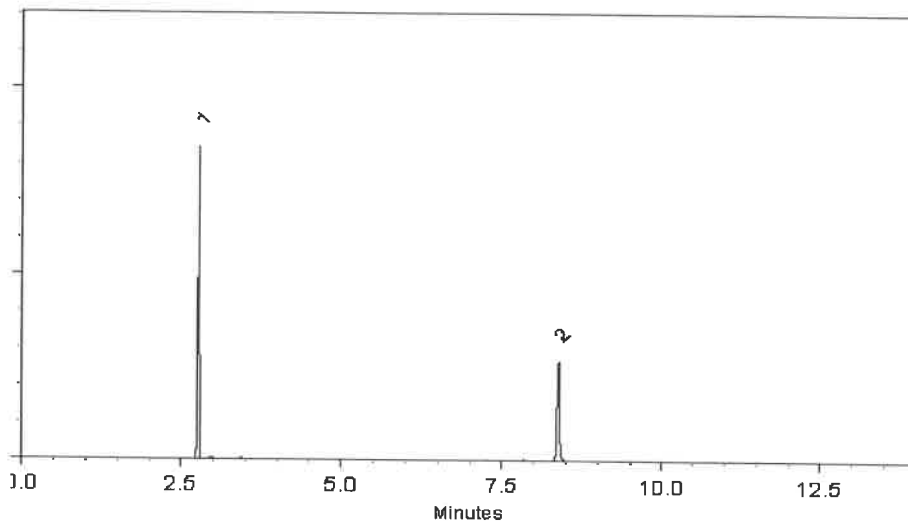
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

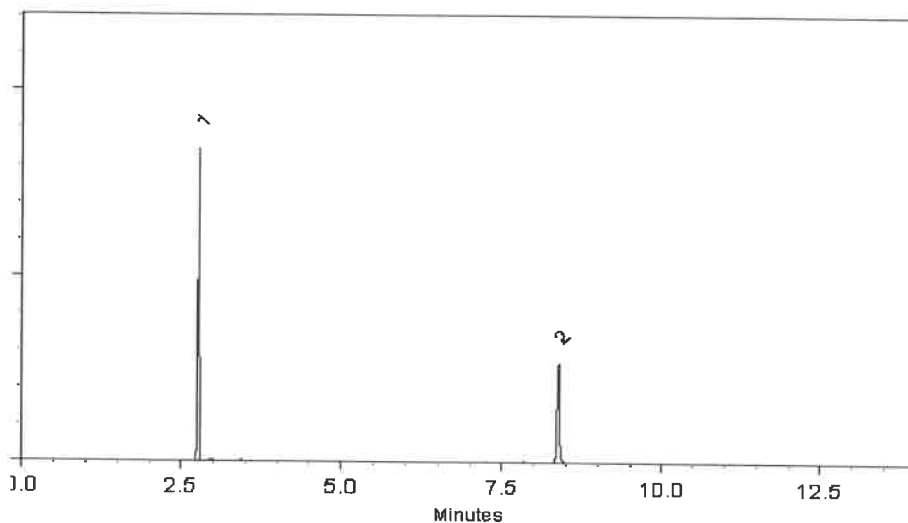
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

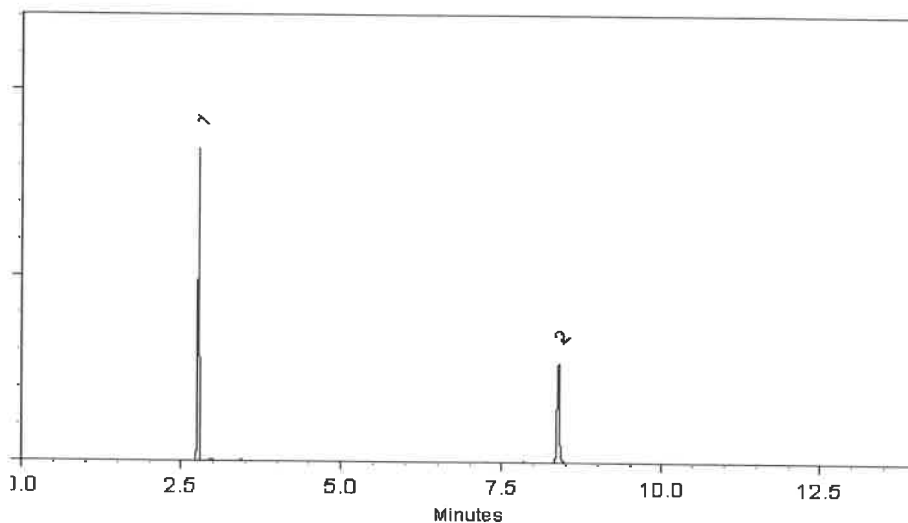
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

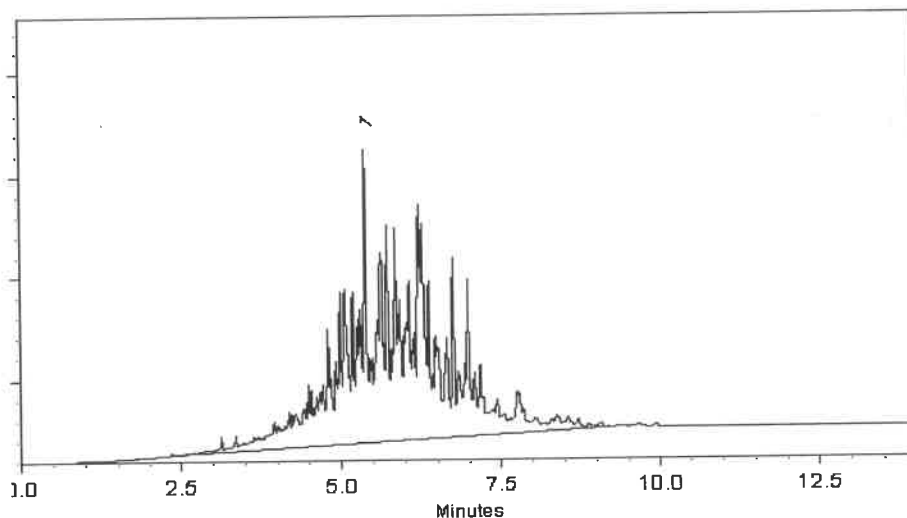
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

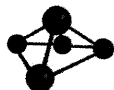
Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }
✓
12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

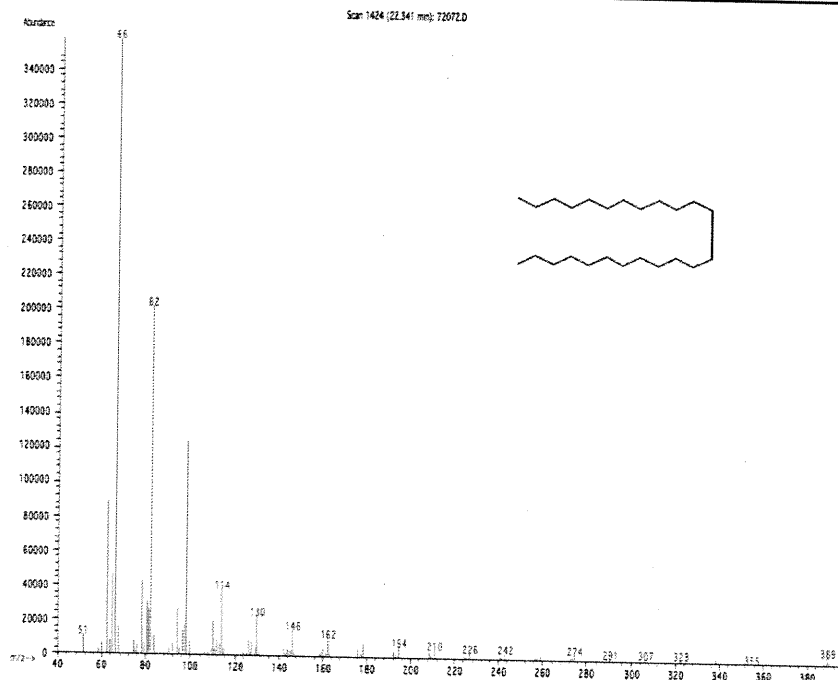
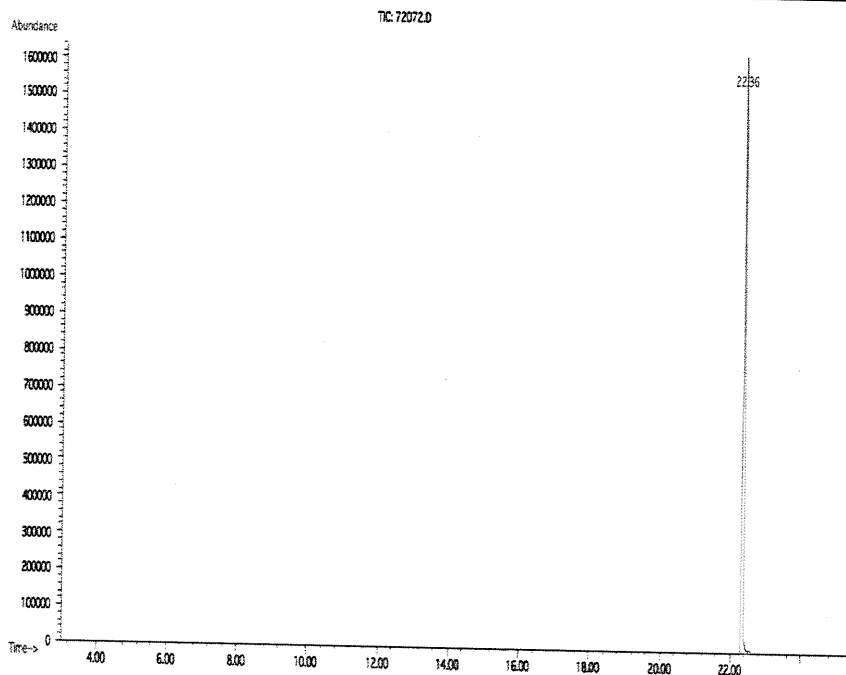
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

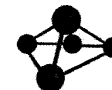
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

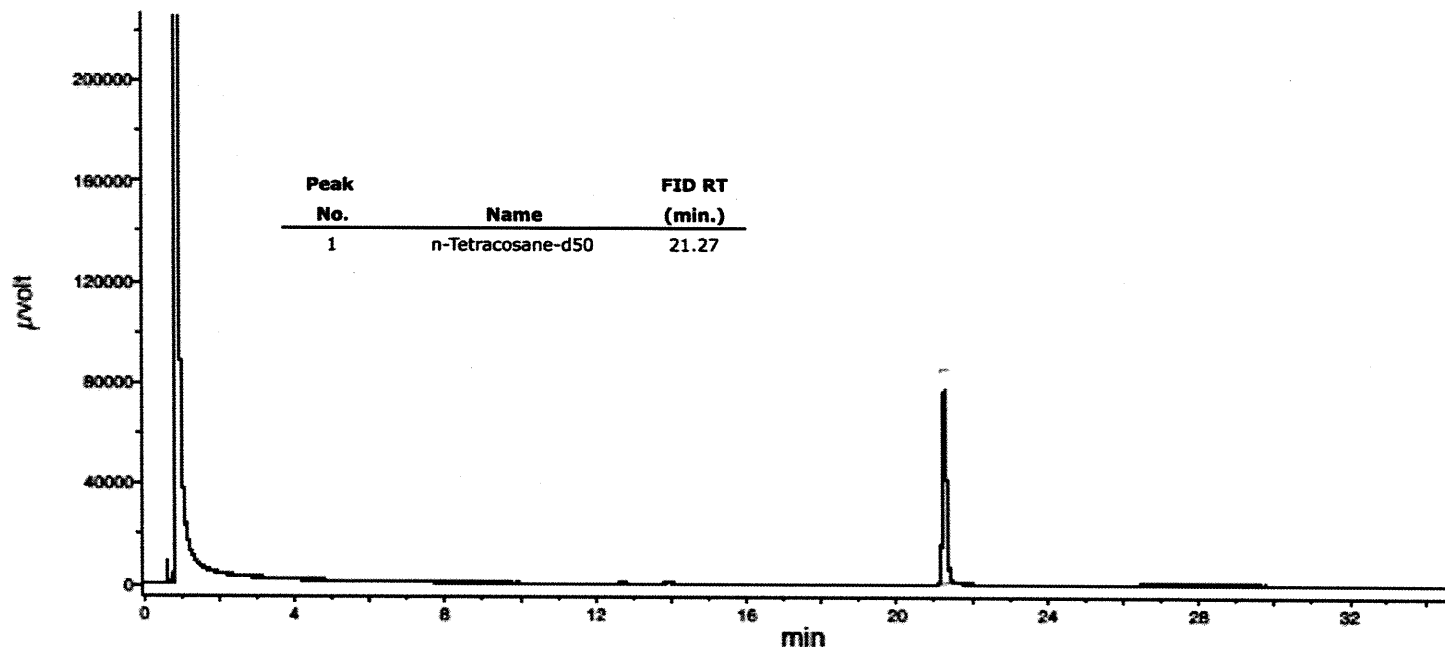
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,
Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

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USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

Contact Phone: 732-570-4993

No: 2-092325-0004-0049-01

Cooler #: 1 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	EME-TS12-01	Percent Moisture	Soil	9/23/2025	12:08	1	4 oz jar w/ septum	4 C	
	EME-TS12-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:08	2	8 oz amber glass jar	4 C	
	EME-TS12-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:08	1	8 oz clear glass jar	4 C	
	EME-TS12-01	EPH	Soil	9/23/2025	12:08	1	4 oz glass jar	4 C	
	EME-TS12-01	SPLP VOCs	Soil	9/23/2025	12:08	3	5 g Encore sampler	4 C	
	EME-TS12-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:08	2	8 oz amber glass jar	4 C	
	EME-TS12-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:08	1	8 oz clear glass jar	4 C	
	EME-TS12-01	SPLP EPH	Soil	9/23/2025	12:08	1	4 oz glass jar	4 C	
	EME-TS12-01	TAL VOCs,	Soil	9/23/2025	12:08	3	5 g Encore sampler	4 C	
	EME-TS13-01	SPLP VOCs	Soil	9/23/2025	12:20	3	5 g Encore sampler	4 C	
	EME-TS13-01	TAL VOCs,	Soil	9/23/2025	12:20	3	5 g Encore sampler	4 C	
	EME-TS13-01	Percent Moisture	Soil	9/23/2025	12:20	1	4 oz jar w/ septum	4 C	
	EME-TS13-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:20	2	8 oz amber glass jar	4 C	
	EME-TS13-01	EPH	Soil	9/23/2025	12:20	1	4 oz glass jar	4 C	
	EME-TS13-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:20	2	8 oz amber glass jar	4 C	
	EME-TS13-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:20	1	8 oz clear glass jar	4 C	
	EME-TS13-01	SPLP EPH	Soil	9/23/2025	12:20	1	4 oz glass jar	4 C	
	EME-TS13-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:20	1	8 oz clear glass jar	4 C	

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com. 7 day preliminary TAT.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	LC / START VI Weston	9/23/25 1700		9-23-25 1700	1.5°C IR flow #1 custody subs taken Temp GIVE present

USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

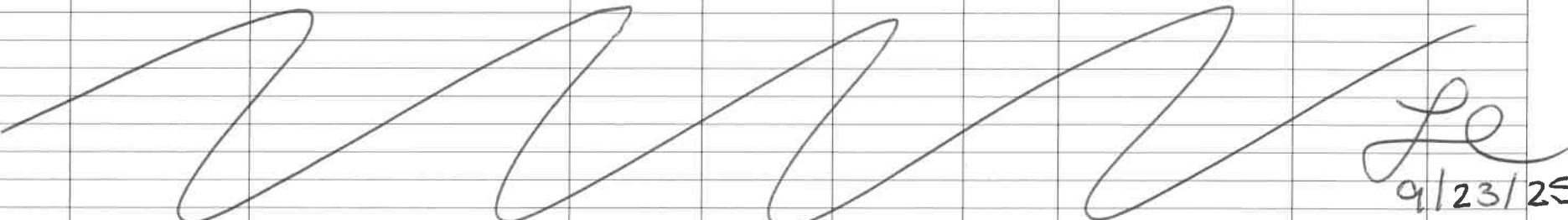
Contact Phone: 732-570-4993

No: 2-092325-0004-0049-01

Cooler #: 1 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	EME-TS14-02	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:57	1	8 oz clear glass jar	4 C	
	EME-TS14-02	TAL VOCs,	Soil	9/23/2025	12:57	3	5 g Encore sampler	4 C	
	EME-TS14-02	Percent Moisture	Soil	9/23/2025	12:57	1	4 oz jar w/ septum	4 C	
	EME-TS14-02	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:57	2	8 oz amber glass jar	4 C	
	EME-TS14-02	EPH	Soil	9/23/2025	12:57	1	4 oz glass jar	4 C	
	EME-TS14-02	SPLP VOCs	Soil	9/23/2025	12:57	3	5 g Encore sampler	4 C	
	EME-TS14-02	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:57	2	8 oz amber glass jar	4 C	
	EME-TS14-02	SPLP EPH	Soil	9/23/2025	12:57	1	4 oz glass jar	4 C	
	EME-TS14-02	TAL Metals + Hg and Cn	Soil	9/23/2025	12:57	1	8 oz clear glass jar	4 C	
									

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com.
7 day preliminary TAT.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	LE / START VI weston	9/23/25 1700		9-23-25 1700	15°C IL GW #1 custody seals intact Top AX. present

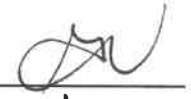
Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3176	ROYF02	Order Date : 9/24/2025 10:16:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 916	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 9/23/2025 5:00:00 PM	EDD Type : Equis Region2(MEDD)
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3176-01	EME-TS12-01	Solid	09/23/2025	12:08	VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3176-02	EME-TS13-01	Solid	09/23/2025	12:20	VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3176-03	EME-TS14-01	Solid	09/23/2025	12:57	VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By : 

Date / Time : 9/24/25 1110

Received By : 

Date / Time : 09/24/25 11:15

Storage Area : VOA Refridgerator Room